

## CDH1 / E Cadherin Polyclonal Antibody | anti-CDH1 antibody

Anti-CDH1 / E Cadherin Antibody IHC-plus

|                              |                                                               |                                                     |                                                                                 |
|------------------------------|---------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA52629</b> | HOST<br><b>CDH1/E Cadherin antibody was produced in Goat.</b> | REACTIVITY<br><b>Mouse, Dog, Rat, Human, Monkey</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunohistochemistry</b> |
|------------------------------|---------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

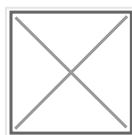
CDH1 / E Cadherin; Polyclonal Antibody; Anti-CDH1 / E Cadherin Antibody IHC-plus; Goat Polyclonal to Human CDH1 / E Cadherin; Human CDH1 / E Cadherin; CD324; CDHE; Cell-CAM 120/80; E Cadherin; E-Cadherin; ECAD; Epithelial cadherin; Arc-1; UVO; Cadherin-1; CAM 120/80; CD324 antigen; LCAM; Uvomorulin; anti-CDH1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | CDH1/E Cadherin antibody was produced in Goat.                                                                                                                                                                                                                                                                        |
| Reactivity                                     | Mouse, Dog, Rat, Human, Monkey                                                                                                                                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Specificity                                    | Detects endogenous levels of total E-cadherin protein by Western blot in the whole cell lysates (e.g. HeLa and COS-7). This Ab does not recognize CDH2.                                                                                                                                                               |
| Purity/Purification                            | Immunoaffinity purified                                                                                                                                                                                                                                                                                               |
| Form/Format                                    | PBS, 0.05% Sodium Azide, 20% Glycerol.                                                                                                                                                                                                                                                                                |
| Concentration                                  | 3 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                               |
| Sequence Length                                | 882                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-CDH1 antibody | WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)                                                                                                                                                                                                                                             |
| Family/Subfamily                               | Cadherin/not assigned-Cadherin                                                                                                                                                                                                                                                                                        |
| Immunogen                                      | CDH1 / E Cadherin antibody was raised against recombinant peptide derived from within residues 601 to 701 of human CDH1 produced in E Coli.                                                                                                                                                                           |
| Immunogen Species                              | CDH1/E Cadherin antibody was raised against Human                                                                                                                                                                                                                                                                     |
| Target                                         | CDH1/E Cadherin                                                                                                                                                                                                                                                                                                       |
| Disclaimer                                     | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

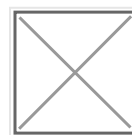
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|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <b>Note</b>                                      | <p>During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Warning</b>                                   | <p>This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Standard Laboratory Practices should be followed. Avoid skin and eye contact, inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plumbing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Preparation and Storage</b>                   | <p>Store at 4°C for one month or -20°C for longer. Avoid freeze/thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## IMAGES



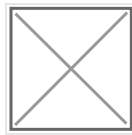
**WB (Western Blot)**

Endogenous CDH1 detected with Anti-CDH1 Ab at 1:500 dilution. Lysate at 100ug per lane.



**IHC (Immunohistochemistry)**

Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)  
Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

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| Related Product Information for anti-CDH1 antibody | CDH1 Antibody, CD324 Antibody, CDHE Antibody, Cell-CAM 120/80 Antibody, E Cadherin Antibody, E-Cadherin Antibody, ECAD Antibody, Epithelial cadherin Antibody, Arc-1 Antibody, UVO Antibody, Cadherin-1 Antibody, CAM 120/80 Antibody, CD324 antigen Antibody, LCAM Antibody, Uvomorulin Antibody Description: CDH1 / E Cadherin is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 4757960                                                        |
| NCBI GeneID                      | 999                                                            |
| NCBI Accession #                 | NP_004351.1                                                    |
| NCBI GenBank Nucleotide #        | NM_004360.4                                                    |
| UniProt Accession #              | P12830; Q13799; Q14216; Q15855; Q16194; Q4PJ14; Q9UII8; A8K1U7 |
| NCBI Official Full Name          | cadherin-1 isoform 1 preproprotein                             |
| NCBI Official Synonym Full Names | cadherin 1                                                     |
| NCBI Official Symbol             | CDH1                                                           |
| NCBI Official Synonym Symbols    | UVO; CDHE; ECAD; LCAM; Arc-1; CD324                            |
| NCBI Protein Information         | cadherin-1                                                     |
| UniProt Protein Name             | Cadherin-1                                                     |
| UniProt Gene Name                | CDH1                                                           |
| UniProt Synonym Gene Names       | CDHE; UVO; E-cadherin                                          |
| UniProt Entry Name               | CADH1_HUMAN                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdh1-e-cadherin-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/52629>