

## Cadherin Monoclonal Antibody | anti-Cadherin antibody

Cadherin Rabbit mAb

| CATALOG # | HOST               | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------------------|-------------------|-----------------------------------------------------------------------------|
| AAA314429 | Recombinant Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

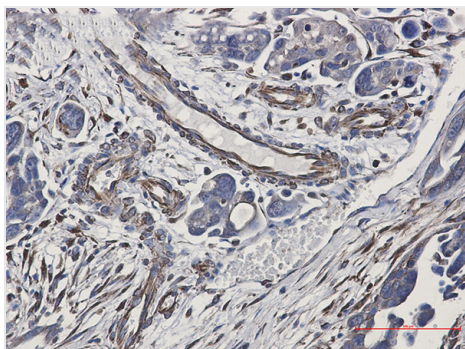
### PRODUCT SYNONYMS

Cadherin; Monoclonal Antibody; Cadherin Rabbit mAb; CDHP; CDHE; HJMD; PCAD; CDHN; P-cadherin; E-cadherin; N-cadherin; Cadherin-1; Cadherin-2; Cadherin-3; anti-Cadherin antibody

### PRODUCT SPECIFICATIONS

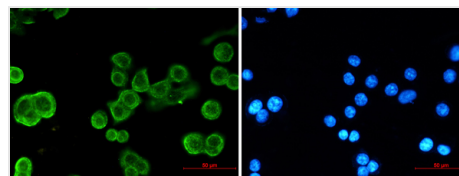
|                                                    |                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                               | Recombinant Rabbit                                                                                     |
| Reactivity                                         | Human, Mouse, Rat                                                                                      |
| Clonality                                          | Monoclonal                                                                                             |
| Isotype                                            | Rabbit IgG                                                                                             |
| Clone Number                                       | S04-5A8                                                                                                |
| Purity/Purification                                | Affinity Purified                                                                                      |
| Form/Format                                        | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                  |
| Concentration                                      | 0.3mg/ml (varies by lot)                                                                               |
| Applicable Applications for anti-Cadherin antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                          | A synthetic peptide of human pan Cadherin                                                              |
| Conjugation                                        | Unconjugated                                                                                           |
| Modification                                       | Unmodification                                                                                         |
| Preparation and Storage                            | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES



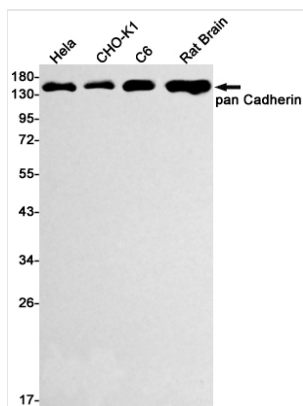
#### IHC (Immunohistochemistry)

Immunohistochemistry of pan Cadherin in paraffin-embedded Human Cholangiocarcinoma using pan Cadherin Rabbit mAb at dilution 1/50



#### IF (Immunofluorescence)

Immunofluorescence of pan Cadherin (green) in MCF-7 using pan Cadherin antibody at dilution 1/5, and DAPI(blue)



#### WB (Western Blot)

Western blot detection of pan Cadherin in HeLa,CHO-K1,C6, Rat Brain lysates using pan Cadherin Rabbit mAb(1:500 diluted).Predicted band size:100kDa.Observed band size:130-150kDa.

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Cadherin antibody | Cadherins are calcium-dependent cell adhesion proteins (PubMed:11976333). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:11976333). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. |
| Product Categories/Family for anti-Cadherin antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4757960                                                                                                                                                                   |
| NCBI GeneID                      | 999                                                                                                                                                                       |
| NCBI Accession #                 | NP_004351.1                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_004360.3                                                                                                                                                               |
| UniProt Accession #              | P12830; P22223; P19022                                                                                                                                                    |
| Molecular Weight                 | 97,456 Da                                                                                                                                                                 |
| NCBI Official Full Name          | cadherin-1 preproprotein                                                                                                                                                  |
| NCBI Official Synonym Full Names | cadherin 1, type 1, E-cadherin (epithelial)                                                                                                                               |
| NCBI Official Symbol             | CDH1                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | UVO; CDHE; ECAD; LCAM; Arc-1; CD324                                                                                                                                       |
| NCBI Protein Information         | cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial |
| 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.

