

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

CDH1/E Cadherin Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21351	Rabbit	Zebrafish, Pig, Rat, Rabbit, Dog, Bovine, Human, Monkey	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot

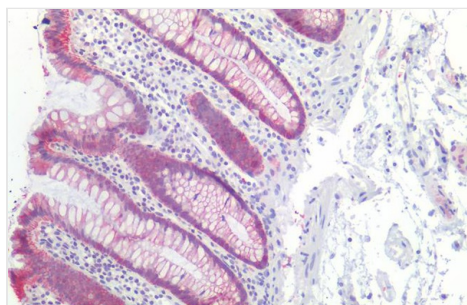
PRODUCT SYNONYMS

CDH1/E Cadherin; Polyclonal Antibody; CDH1/E Cadherin Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus CDH1/E Cadherin Antibody (C-Terminus); CDH1; 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

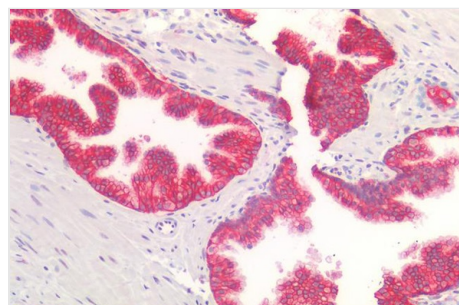
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish, Pig, Rat, Rabbit, Dog, Bovine, Human, Monkey
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of E Cadherin protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CDH1 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Target	Human CDH1/E Cadherin
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-Terminus of human E Cadherin.
Conjugation	Unconjugated
Epitope	C-Terminus
Family	Cadherin
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

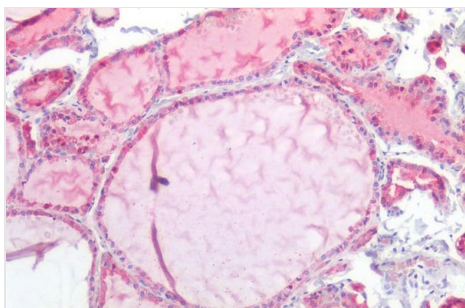
IMAGES



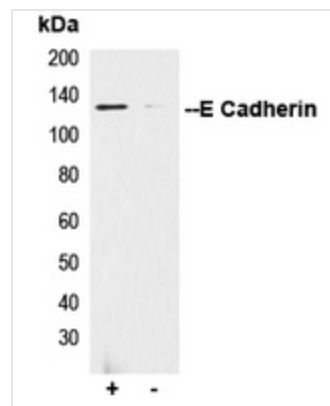
IHC (Immunohistochemistry)
CDH1/E Cadherin Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



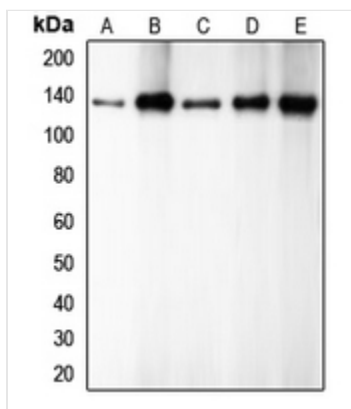
IHC (Immunohistochemistry)
CDH1/E Cadherin Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



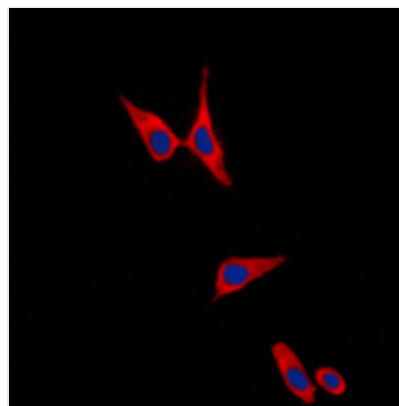
IHC (Immunohistochemistry)
CDH1/E Cadherin Antibody-Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
CDH1/E Cadherin Antibody-Immunoprecipitation of E Cadherin from 0.5mg HEK293F whole cell extract lysate using 5ug of Anti-E Cadherin Antibody and 50ul of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min HEK293F whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation. Proteins were eluted by addition of 40ul SDS loading buffer and incubated for 10min at 70 C; 10ul of each sample was separated on a SDS PAGE gel transferred to a nitrocellulose membrane blocked with 5% BSA and probed with Anti-E Cadherin Antibody.



WB (Western Blot)
CDH1/E Cadherin Antibody-Western blot analysis of E Cadherin expression in HEK293T (A); PC12 (B); A431 (C); MCF7 (D); C2C12 (E) whole cell lysates.



ICC (Immunocytochemistry)
CDH1/E Cadherin Antibody-Immunofluorescent analysis of E Cadherin staining in PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-CDH1 antibody

E Cadherin antibody is an unconjugated rabbit polyclonal antibody to E Cadherin (CDH1)(C-Terminus) from human. It is reactive with human, rat, bovine and other species. Validated for Flow, ICC, IF, IHC, IP and WB. E-cadherin (CDH1) is a calcium-dependending glycoprotein that is involved in cell to cell adhesion and is expressed on the surface of epithelial tissues. Loss of e-cadherin is associated with decreased cell adhesion, increased cellular motility, invasion and poor prognosis in carcinomas, particularly lobular carcinomas of the breast. In immunohistochemistry, e-cadherin is positive in normal breast ducts, the epithelium of the GI tract, hepatocytes and bile ducts. In cancer, it is positive in breast ductal carcinoma (but not lobular), esophageal adenocarcinoma and squamous carcinoma, and bladder transitional cell carcinoma.

References

Eur J Cancer 2000, 36:1607; Cell. 2015 Oct 8;163(2):506-19, PMID: 26451490; Breast Cancer Res. 2017 Jul 27;19(1):86, PMID: 28750639; Oncotarget 2017 Jan; 8.1; 16445-16455, PMID: 28147315; Oncotarget. 2016 Nov; 7.49; 80655-80663, PMID: 27811364;

NCBI AND UNIPROT INFORMATION

NCBI GI

4757960

NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NM_004360
UniProt Accession #	P12830; Q13799; Q14216; Q15855; Q16194; Q4PJ14; A8K1U7
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdh1-e-cadherin-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-immunoprecipitation-western-blot-elisa/21351>