

Mouse Pan-Cadherin Monoclonal Antibody | anti-CDH1 antibody

Anti-Pan-Cadherin antibody (monoclonal)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44881	Mouse	Human, Mouse, Rat, Rabbit, Chicken, snake	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Pan-Cadherin; Monoclonal Antibody; Anti-Pan-Cadherin antibody (monoclonal); Cadherin-1; Cadherin-2; Cadherin-3; cadherin 1; type 1; E-cadherin(epithelial); cadherin 2; N-cadherin(neuronal); cadherin 3; P-cadherin(placental); UVO; CDHE; ECAD; LCAM; Arc-1; CD324; CDHN; NCAD; CD325; CDw325; CDHP; HJMD; PCAD; anti-CDH1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Rabbit, Chicken, snake
Clonality	Monoclonal
Isotype	IgG1
Clone Number	PC-79
Specificity	No cross reactivity with other proteins.
Form/Format	Lyophilized
Sequence Length	882
Applicable Applications for anti-CDH1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide corresponding to the C-terminal amino acids of chicken N-Cadherin with an extra N-terminal lysine residue (24 amino acids) coupled to KLH.
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Reconstitution	1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH1 antibody	Description: Mouse IgG monoclonal antibody for Pan-Cadherin, cadherin 1, type 1, E-cadherin (epithelial), cadherin 2, type 1, N-cadherin (neuronal), cadherin 3, type 1, P-cadherin (placental) (CDH1, CDH2, CDH3) detection. Tested with WB, IHC-P in Human, mouse, rat, rabbit, chicken, snake. No cross reactivity with other proteins. Uniprot ID: P12830 Background: Cadherins are calcium-dependent cell-cell adhesion molecules that mediate cell-cell binding in a homophilic manner. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherin expression is regulated spatially as well as temporally. Cadherins are though to play an important role in development and maintenance of tissues through selective cell-cell adhesion activity and may be involved also in the invasion and metastasis of malignant tumors. Cadherin regulates dendritic spine morphogenesis. A cadherin gene cluster is mapped to a region of chromosome 5 subject to frequent allelic loss in carcinoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	399166
NCBI GeneID	999
UniProt Accession #	P12830; Q13799; Q14216; Q15855; Q16194; Q4PJ14; Q9UII8; A8K1U7
Molecular Weight	90,942 Da
NCBI Official Full Name	Cadherin-1
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/monoclonal/pan-cadherin-antibody-clone-pc-79-immunohistochemistry-western-blot-elisa/44881>