

Rabbit anti-Human E Cadherin Monoclonal Antibody | anti-CDH1 antibody

Anti-E Cadherin Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126859	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

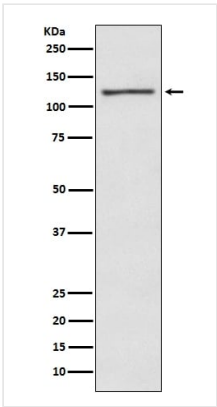
PRODUCT SYNONYMS

E Cadherin; Monoclonal Antibody; Anti-E Cadherin Rabbit Monoclonal Antibody; cDNA FLJ61423; highly similar to Interleukin-6; Cadherin-1; anti-CDH1 antibody

PRODUCT SPECIFICATIONS

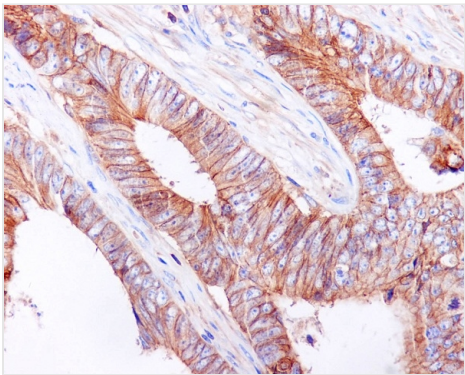
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	EA-20
Specificity	Non-neural epithelial tissues.
Purity/Purification	Affinity-chromatography
Form/Format	Liquid Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. (varies by lot)
Applicable Applications for anti-CDH1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human E Cadherin
Protein Function	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. E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production. (Microbial infection) Serves as a receptor for Listeria monocytogenes; internalin A (InIA) binds to this protein and promotes uptake of the bacteria.
Preparation and Storage	Store at -20 degree C for one year. For short term storage and frequent use, store at 4 degree C for up to one month. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of E-cadherin expression in MCF7 cell lysate.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer, using E Cadherin Antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CDH1 antibody	Primary Antibodies, Rabbit Monoclonal Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4757960
NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NM_004360.3
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.