Recombinant E-Cadherin (CDH1) / CD324 (Intercellular Junction Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-035R]

Catalog No	Format	Size
999-RBM28-P0	Purified Ab with BSA and Azide	20 ug
999-RBM28-P1	Purified Ab with BSA and Azide	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-035R
Immunogen	Recombinant full-length human E-Cadherin protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	120-80kDa (Mature); 135kDa (Precursor)
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Endosome, Golgi apparatus, trans-Golgi network
Species Reactivity	Human
Positive Control	In the liver, at least a moderate membranous staining should be seen in hepatocytes while bile duct epithelia stain strongly. In the colon, only epithelium should display a strong membranous staining reaction.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant E-Cadherin (CDH1) / CD324 (Intercellular Junction Marker) Antibody



Cadherin-1 Rabbit Recombinant Monoclonal Antibody (MSVA-035R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

Recognizes a protein of 120-80kDa, identified as E-cadherin. Cadherins comprise a family of Ca2+-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- andP-cadherin, consist of large extracellular domains characterized by a series of five homologous NH2 terminal repeats. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as ?-catenin, to regulate cadherin function.E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer. In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin +) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Bladder Cancer, Cardiovascular, Colon Cancer, Developmental Biology, Immunology, Infectious Disease, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.