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

Rabbit Monoclonal Antibody [Clone CDH1/13741R]

Catalog No	Format	Size
999-RBM45-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
999-RBM45-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
999-RBM45-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

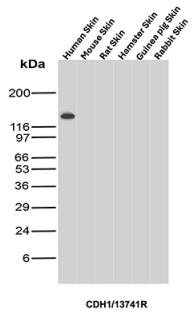
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

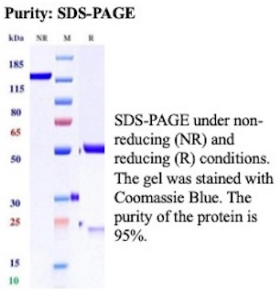
Clone	CDH1/13741R
Immunogen	Recombinant full-length human E-Cadherin (CDH1) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	97.45kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Cytoplasm, Desmosome, Endosome, Golgi apparatus, trans-Golgi network
Species Reactivity	Human
Positive Control	MCF-7 or SK-BR3 cells. Human placenta, prostate or colon carcinomas, Human Skin

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

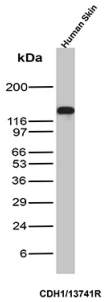
Product Images for Recombinant E-Cadherin (CDH1) / CD324 (Intercellular Junction Marker) Antibody



Western Blot Analysis of Skin tissue lysates of different species using E-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH1/13741R).



SDS-PAGE Analysis of Purified CDH1 Recombinant Rabbit Monoclonal Antibody (CDH1/13741R).Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Skin tissue lysate using E-Cadherin Recombinant Rabbit Monoclonal Antibody (CDH1/13741R).

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

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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.

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.