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Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb

Catalog # AP76333

Specification

Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb - Product Information

Application	**WB, IHC, IP**
Primary Accession	P12830
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**97456**

Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb - Additional Information

Gene ID 999

Other Names
CDH1

Dilution
WB~~1/500-1/1000
IHC~~1/50-1/100
IP~~1/20

Format
Liquid

Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb - Protein Information

Name CDH1 (HGNC:1748)

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). Promotes organization of radial actin fiber structure and cellular response to contractile forces, via its interaction with AMOTL2 which facilitates anchoring of radial actin fibers to CDH1 junction complexes at the cell membrane (By similarity). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7.

Cellular Location
Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein Endosome. Golgi apparatus, trans-Golgi network. Cytoplasm. Cell junction, desmosome Note=Colocalizes with DLGAP5 at sites of cell-cell contact in intestinal epithelial cells. Anchored to actin microfilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by

apoptosis or calcium influx, results in translocation from sites of cell-cell contact to the cytoplasm Colocalizes with RAB11A endosomes during its transport from the Golgi apparatus to the plasma membrane. Recruited to desmosomes at the initial assembly phase and also accumulates progressively at mature desmosome cell-cell junctions (PubMed:25208567). Localizes to cell-cell contacts as keratinocyte differentiation progresses (By similarity) {ECO:0000250|UniProtKB:P09803, ECO:0000269|PubMed:25208567}

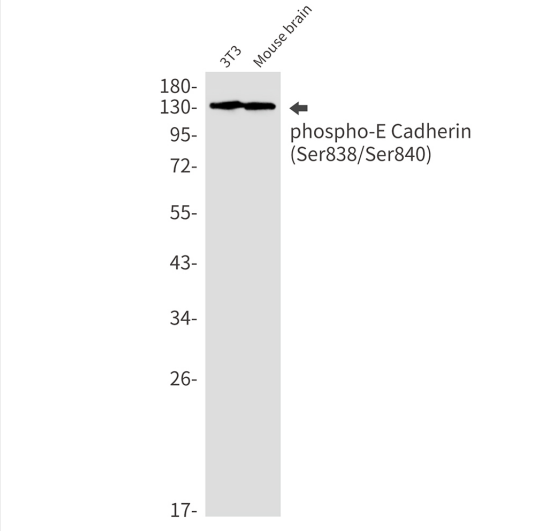
Tissue Location
Expressed in granuloma macrophages (at protein level) (PubMed:27760340). Expressed in the skin (at protein level) (PubMed:22294297). Expressed in the liver (PubMed:3263290)

Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-E Cadherin (Ser838/Ser840) Rabbit mAb - Images



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