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Anti-Pan-Cadherin Antibody (Monoclonal, CH-19)

Catalog # ABO10464

Specification

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - Product Information

Application	**WB, IHC-P**
Primary Accession	F1LMI3
Host	**Mouse**
Isotype	**Mouse IgG1**
Reactivity	**Human, Mouse, Rat**
Clonality	**Monoclonal**
Format	**Lyophilized**

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.

Reconstitution

Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - Additional Information

Calculated MW

90415 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 2-4 µg/ml, Human, mouse, rat, rabbit, chicken, snake., By Heat

Western blot, 1-2 µg/ml, Human, mouse, rat, rabbit, chicken, snake.

Subcellular Localization

CDH1: Cell junction. Cell membrane; Single-passtype I membrane protein. Endosome. Golgi apparatus, trans-Golginetwork. Note: Colocalizes with DLGAP5 at sites of cell-cellcontact in intestinal epithelial cells. Anchored to actinmicrofilaments through association with alpha-, beta- and gamma-catenin. Sequential proteolysis induced by apoptosis or calciuminflux, results in translocation from sites of cell-cell contactto the cytoplasm. Colocalizes with RAB11A endosomes during itstransport from the Golgi apparatus to the plasma membrane.|Cdh1: Cell junction. Cell membrane; Single-passtype I membrane protein. Endosome Golgi apparatus,trans-Golgi network Note: Colocalizes with DLGAP5 atsites of cell-cell contact in intestinal epithelial cells.Anchored to actin microfilaments through association with alpha-,beta- and gamma-catenin. Sequential proteolysis induced byapoptosis or calcium influx, results in translocation from sitesof cell-cell contact to the cytoplasm. Colocalizes with RAB11Aendosomes during its transport from the Golgi apparatus to theplasma membrane (By similarity). |Cdh1: Cell junction. Cell membrane; Single-passtype I membrane protein. Endosome Golgi apparatus,trans-Golgi network Note: Colocalizes with DLGAP5 atsites of cell-cell contact in intestinal epithelial cells.Anchored to actin microfilaments through association with alpha-,beta- and gamma-catenin. Sequential proteolysis induced byapoptosis or calcium influx, results in translocation from sitesof cell-cell contact to the cytoplasm. Colocalizes with RAB11Aendosomes during its transport from the Golgi apparatus to

theplasma membrane (By similarity). |CDH2: Cell membrane; Single-pass type I membraneprotein.|Cdh2: Cell membrane; Single-pass type I membraneprotein.|Cdh2: Cell membrane |CDH3: Cell membrane; Single-pass type I membraneprotein.|Cdh3: Cell membrane; Single-pass type I membraneprotein.

Tissue Specificity
CDH1: Non-neural epithelial tissues.

Protein Name
Cadherin-1; Cadherin-2; Cadherin-3

Contents
Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

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.

Purification
Ascites

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Sequence Similarities
Contains 5 cadherin domains.

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - Protein Information

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - 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

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - Images

Anti-Pan-Cadherin Antibody (Monoclonal, CH-19) - 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.