A18135

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E-Cadherin Mouse mAb

Catalog No.: A18135 5 Publications

Basic Information

Observed MW
125kDa

Calculated MW
97kDa

Category
Monoclonal Antibody

Applications
WB,ELISA,IF-P

Cross-Reactivity
Human,Mouse

Clone number
AMC0113

Background

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

Recommended Dilutions

WB	1:700 - 1:4200
IF-P	1:100 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
999

Swiss Prot
P12830

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324; E-Cadherin

Contact

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Product Information

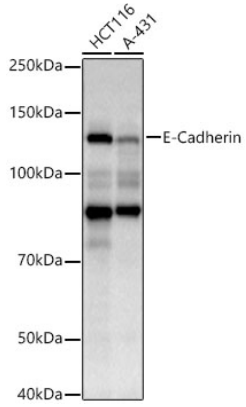
Source
Mouse

Isotype
IgG2b,kappa

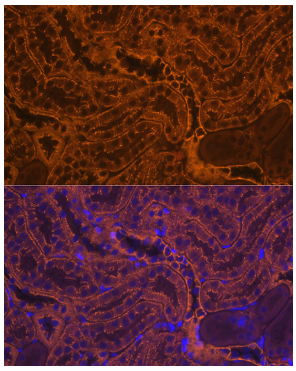
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of various lysates using E-Cadherin Mouse mAb (A18135) at 1:700 dilution.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of paraffin-embedded mouse kidney using E-Cadherin Mouse mAb (A18135) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

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