E-Cadherin Mouse mAb

Catalog No.: A18135 5 Publications



Basic Information

Observed MW

125kDa

Calculated MW

97kDa

Category

Primary antibody

Applications

WB, IF-P, ELISA

Cross-Reactivity

Human, Mouse

CloneNo 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 ID999
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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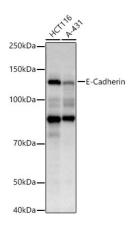
Product Information

SourceIsotypePurificationMouseIgG2b,kappaAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

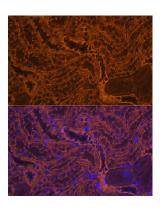


Western blot analysis of various lysates using E-Cadherin Mouse mAb (A18135) at 1:700 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse lgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of paraffinembedded 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.