

E-Cadherin Mouse mAb

Catalog No.: A18135 **3 Publications**

Basic Information

Observed MW

135kDa

Calculated MW

97kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

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 1:500 - 1:1000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

999

Swiss Prot

P12830

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 373-622 of human E-Cadherin (P12830).

Synonyms

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

Contact

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Product Information

Source

Mouse

Isotype

IgG2b,kappa

Purification

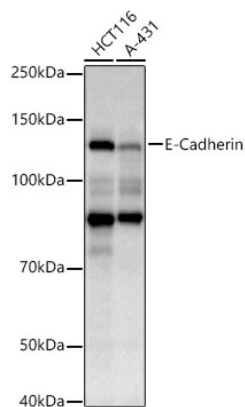
Affinity purification

Storage

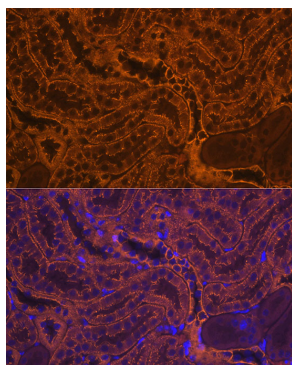
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using E-Cadherin Mouse mAb (A18135) at 1:700 dilution.
Secondary antibody: HRP 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.