A22850

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E-Cadherin Rabbit mAb

Catalog No.: A22850 Recombinant 11 Publications

Basic Information

Observed MW
135kDa

Calculated MW
97kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse

Clone number
ARC57093

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
IHC-P	1:500 - 1:2000
IF/ICC	1:200 - 1:800
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

Product Information

Source
Rabbit

Isotype
IgG

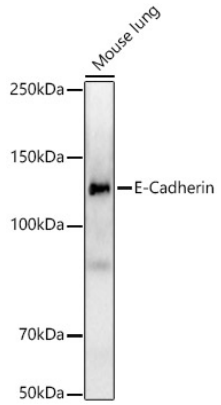
Purification
Affinity purification

Storage
Store at -20℃

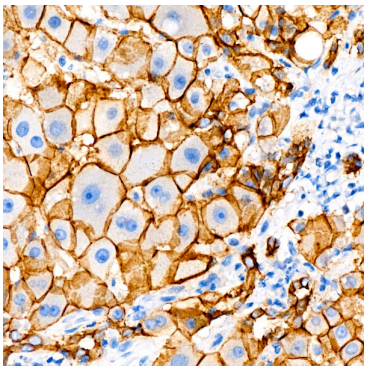
Contact

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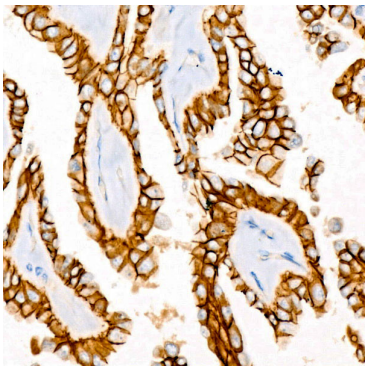
Validation Data



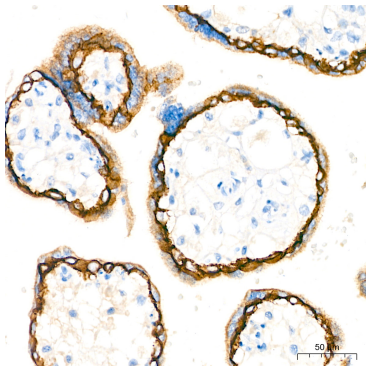
Western blot analysis of lysates from Mouse lung, using E-Cadherin Rabbit mAb (A22850) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



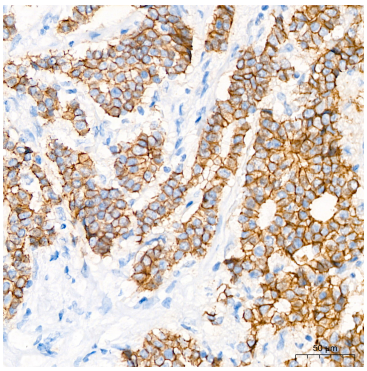
Immunohistochemistry analysis of paraffin-embedded Human liver using E-Cadherin Rabbit mAb (A22850) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



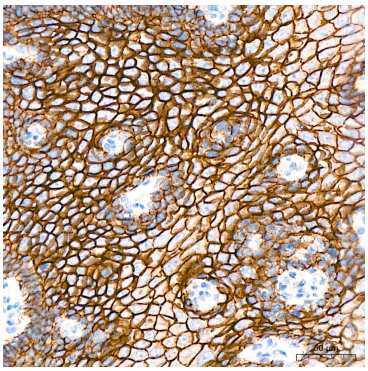
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using E-Cadherin Rabbit mAb (A22850) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



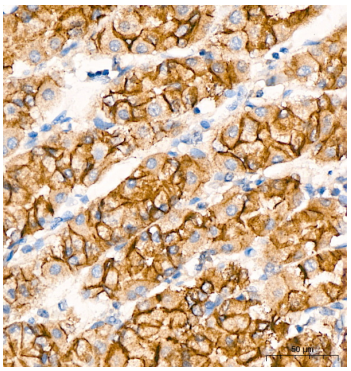
Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using E-Cadherin Rabbit mAb (A22850) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using E-Cadherin Rabbit mAb (A22850) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

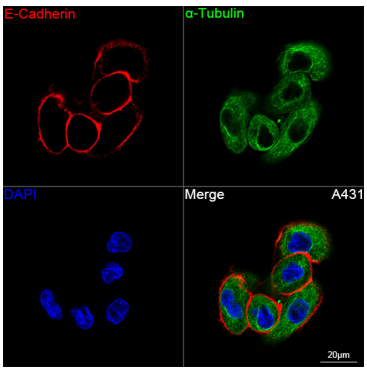


Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using E-Cadherin Rabbit mAb (A22850) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

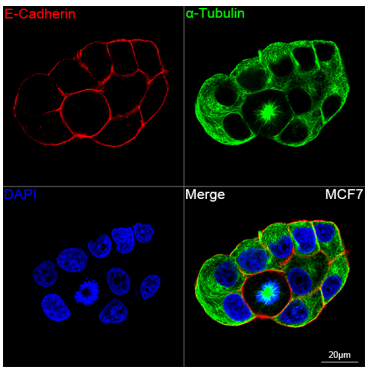


Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using E-Cadherin Rabbit mAb (A22850) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

Validation Data



Confocal imaging of A-431 cells using E-Cadherin Rabbit mAb (A22850, at dilution of 1:200) (Green). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Red). DAPI was used for nuclear staining (blue). Objective: 100x.



Confocal imaging of MCF7 cells using E-Cadherin Rabbit mAb (A22850, at dilution of 1:200) (Green). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Red). DAPI was used for nuclear staining (blue). Objective: 100x.