

Mouse anti-Human ECAD Monoclonal Antibody | anti-ECAD antibody

Anti-E-cadherin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA249059	Mouse	Human	Immunofluorescence, Western Blot, Immunohistochemistry, ELISA

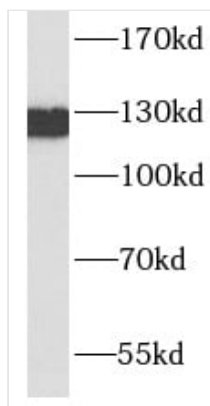
PRODUCT SYNONYMS

ECAD; Monoclonal Antibody; Anti-E-cadherin Antibody; Arc 1; Cadherin 1; CD324; CDH1; CDHE; E cadherin; E-cadherin; LCAM; UVO; Uvomorulin; anti-ECAD antibody

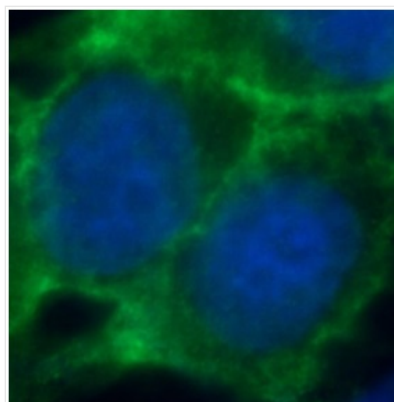
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3G10
Purity/Purification	>=95% as determined by SDS-PAGE Protein A+G purified
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Sequence Length	882
Applicable Applications for anti-ECAD antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Cadherin-1, type 1, E-Cadherin-(epithelial)
Preparation and Storage	Store at -20 degree C for 24 months. Avoid repeated freeze/thaw cycles.

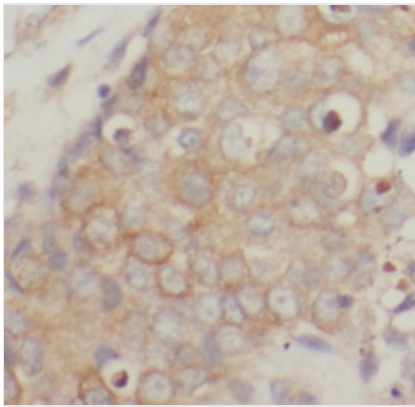
IMAGES


WB (Western Blot)

A431 cells were subjected to SDS PAGE followed by western blot with AAA249059 (E-cadherin antibody) at dilution of 1:3000


IF (Immunofluorescence)

Immunofluorescent analysis of A431 cells using AAA249059 (E-cadherin Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L)



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using AAA249059 (E-cadherin Antibody) at dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-ECAD antibody	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.
Product Categories/Family for anti-ECAD antibody	Signal Transduction ; Metabolism ; Cardiovascular ; Immunology ; Cancer ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757960
NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NP_004351.1
UniProt Accession #	P12830
Molecular Weight	Observed MW: 130kDa
NCBI Official Full Name	cadherin-1 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 1
NCBI Official Symbol	CDH1
NCBI Official Synonym Symbols	UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324
NCBI Protein Information	cadherin-1
UniProt Protein Name	Cadherin-1
UniProt Gene Name	CDH1
UniProt Synonym Gene Names	CDHE; UVO; E-cadherin
UniProt Entry Name	CADH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ecad-antibody-clone-3g10-immunofluorescence-western-blot-immunohistochemistry-elisa/249059>