

Product Name: CDH1 Mouse Monoclonal Antibody**Catalog #: AMM80914**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human,Mouse,Rat,Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	135kDa

Antigen Information

Gene Name	CDH1
Alternative Names	UVO; CDHE; ECAD; LCAM; Arc-1; CD324; CDH1; E-cadherin; E cadherin
Gene ID	999.0
SwissProt ID	P12830
Immunogen	Purified recombinant fragment of human CDH1 expressed in E. Coli.

Background

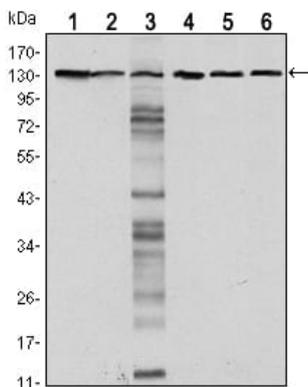
E-Cadherin is a 120 kDa transmembrane glycoprotein that is localized in the adherens junctions of epithelial cells. There, it interacts with the cytoskeleton through the associated cytoplasmic catenin proteins. In addition to being a calcium-dependent adhesion molecule, E-Cadherin is also a critical regulator of epithelial junction formation. Its association with catenins is

necessary for cell-cell adhesion. These E-cadherin/catenin complexes associate with cortical actin bundles at both the zonula adherens and the lateral adhesion plaques. Tyrosine phosphorylation can disrupt these complexes, leading to changes in cell adhesion properties. E-Cadherin expression is often down-regulated in highly invasive, poorly differentiated carcinomas. Increased expression of E-Cadherin in these cells reduces invasiveness. Thus, loss of expression or function of E-Cadherin appears to be an important step in tumorigenic progression. Tissue specificity: Non-neural epithelial tissues.

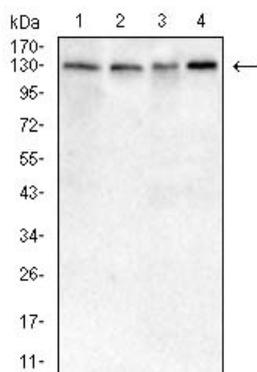
Research Area

TGF-beta signaling pathway

Image Data



Western blot analysis using CDH1 mouse mAb against LNCAP (1), A431 (2), DU145 (3), PC-3 (4), PC-12 (5) and T47D (6) cell lysate.



Western blot analysis using CDH1 mouse mAb against PC-12 (1), C2C12 (2), C6 (3), F9 (4) cell lysate.