

产品名称: CDH1 Mouse Monoclonal Antibody
产品货号: AMM80908



产品概述 (Summary)

产品名称 (Production Name)	CDH1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	135kDa

研究背景 (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-

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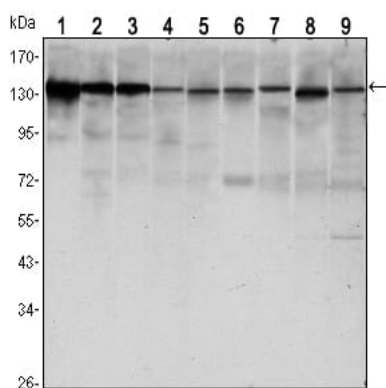


dependent adhesion molecule, E-Cadherin is also a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-cell adhesion. These E-cadherin/catenin complexes associate with corical actin bundles at both the zonula adherens and the lateral adhesion plaques. 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.

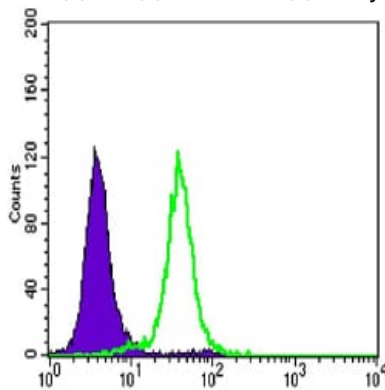
研究领域 (Research Area)

TGF-beta signaling pathway

图片 (Image Data)

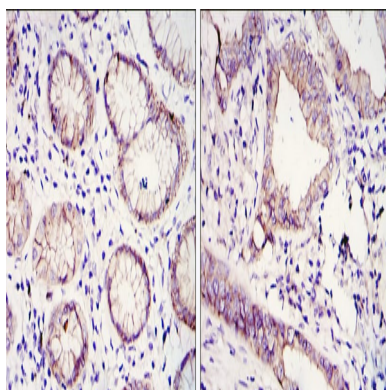


Western blot analysis using CDH1 mouse mAb against LNCAP (1)?A431 (2), DU145 (3), PC-3 (4), MCF-7 (5), PC-12 (6), NIH/3T3 (7), C6 (8) and COS7 (9) cell lysate.



Flow cytometric analysis of Hela cells using CDH1 mouse mAb (green) and negative control (purple).

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Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues (left) and lung cancer tissues (right) using CDH1 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .