

Anti-PCDH9 Antibody [A2-G3]

EM1707-91



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB, IF-cell, FC
Molecular Wt:	136 kDa
Clone number:	A2-G3

Description: Potential calcium-dependent cell-adhesion protein. This gene encodes a member of the protocadherin family, and cadherin superfamily, of transmembrane proteins containing cadherin domains. These proteins mediate cell adhesion in neural tissues in the presence of calcium. The encoded protein may be involved in signaling at neuronal synaptic junctions. Sharing a characteristic with other protocadherin genes, this gene has a notably large exon that encodes multiple cadherin domains and a transmembrane region. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Immunogen: Recombinant protein

Positive control: Human PCDH9 recombinant protein, PCDH9-hlgGfc transfected HEK293 cell lysate, C6, Hela.

Subcellular location: Cell membrane.

Database links: SwissProt: Q9HC56 Human

Recommended Dilutions:

WB	1:500-1:2,000
IF-cell	1:50-1:200
FC	1:100-1:200

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4°C; -20°C for long term storage.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

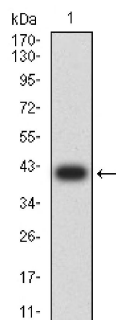


Fig1: Western blot analysis of PCDH9 on human PCDH9 recombinant protein using anti-PCDH9 antibody at 1/1,000 dilution.

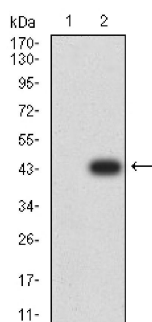


Fig2: Western blot analysis of PCDH9 on HEK293 (1) and PCDH9-hlgGFc transfected HEK293 (2) cell lysate using anti-PCDH9 antibody at 1/1,000 dilution.

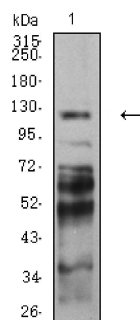


Fig3: Western blot analysis of PCDH9 on C6 cell lysate using anti-PCDH9 antibody at 1/1,000 dilution.

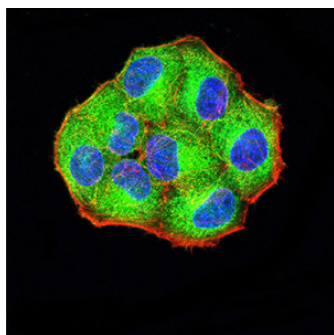


Fig4: ICC staining PCDH9 (green) and Actin filaments (red) in HeLa cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

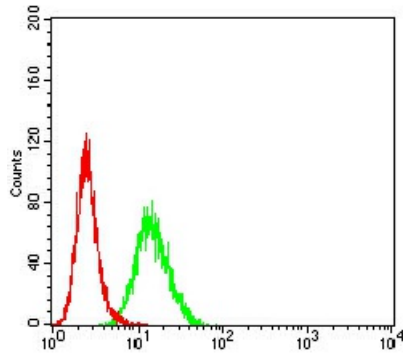


Fig5: Flow cytometric analysis of HeLa cells with PCDH9 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Chen Y et al. Loss of PCDH9 is associated with the differentiation of tumor cells and metastasis and predicts poor survival in gastric cancer. *Clin Exp Metastasis* 32(5):417-28 (2015).
2. Wang C et al. Downregulation of PCDH9 predicts prognosis for patients with glioma. *J Clin Neurosci* 19(4):541-5 (2012).

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

华安生物
HUABIO
www.huabio.cn

Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation