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**Product Name: PCDH9 Mouse Monoclonal Antibody****Catalog #: AMM81869**

For research use only.

**Summary**

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

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC 1:50-1:250,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	136kDa

**Antigen Information**

<b>Gene Name</b>	PCDH9
<b>Alternative Names</b>	PCDH9
<b>Gene ID</b>	5101.0
<b>SwissProt ID</b>	Q9HC56
<b>Immunogen</b>	Purified recombinant fragment of human PCDH9 (AA: 24-148) expressed in E. Coli.

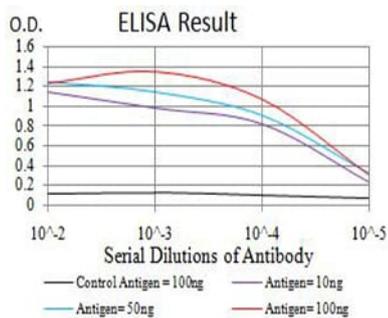
**Background**

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

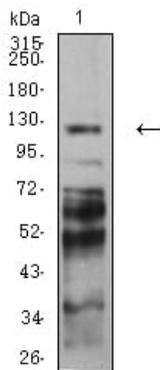
notably large exon that encodes multiple cadherin domains and a transmembrane region. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Research Area

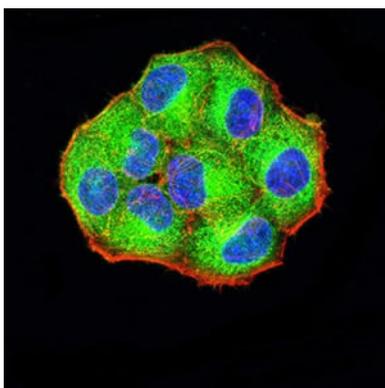
## Image Data



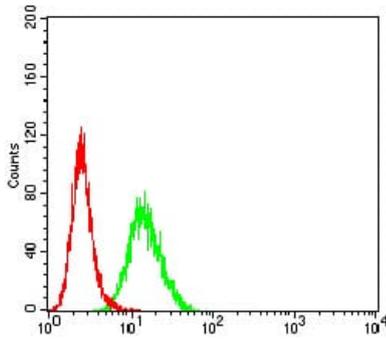
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using PCDH9 mouse mAb against C6 (1) cell lysate.



Immunofluorescence analysis of HeLa cells using PCDH9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of HeLa cells using PCDH9 mouse mAb (green) and negative control (red).