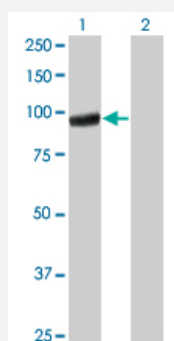


# PCDHGA5 monoclonal antibody (M01), clone 5H5

Catalog # H00056110-M01

Size 100 ug

## Applications

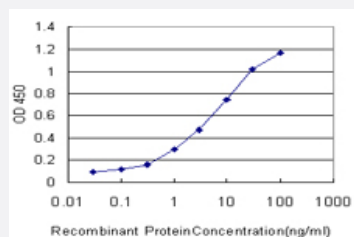


### Western Blot (Transfected lysate)

Western Blot analysis of PCDHGA5 expression in transfected 293T cell line by PCDHGA5 monoclonal antibody (M01), clone 5H5.

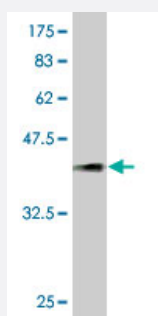
Lane 1: PCDHGA5 transfected lysate(100.935 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCDHGA5 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PCDHGA5.

<b>Immunogen</b>	PCDHGA5 (NP_061741, 205 a.a. ~ 304 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	ETVHDLTALDGGDPVLSGTTIRVTVLDAANDNAPLFTPSEYSVSVPENIPVGTRLLMLTATDPD EGINGKLTYSFRNEEEKISETFQLDSNLGEISTL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (83); Rat (82)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PCDHGA5 expression in transfected 293T cell line by PCDHGA5 monoclonal antibody (M01), clone 5H5.

Lane 1: PCDHGA5 transfected lysate(100.935 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCDHGA5 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PCDHGA5

Entrez GeneID	<a href="#">56110</a>
GeneBank Accession#	<a href="#">NM_018918</a>
Protein Accession#	<a href="#">NP_061741</a>
Gene Name	PCDHGA5
Gene Alias	CDH-GAMMA-A5, ME3, MGC142020, PCDH-GAMMA-A5
Gene Description	protocadherin gamma subfamily A, 5
Omim ID	<a href="#">606292</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes. [provided by RefSeq]</p>
Other Designations	cadherin ME3