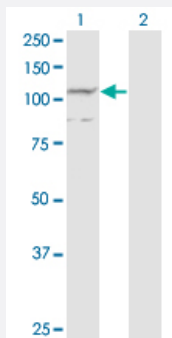


# PCDHA7 monoclonal antibody (M08), clone 1C7

Catalog # H00056141-M08

Size 100 ug

## Applications

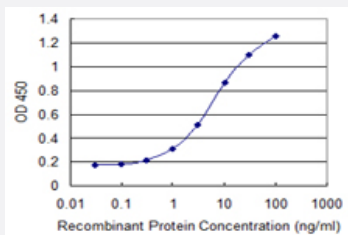


### Western Blot (Transfected lysate)

Western Blot analysis of PCDHA7 expression in transfected 293T cell line by PCDHA7 monoclonal antibody (M08), clone 1C7.

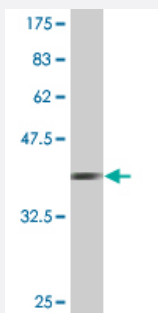
Lane 1: PCDHA7 transfected lysate (Predicted MW: 100.9 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCDHA7 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PCDHA7.

<b>Immunogen</b>	PCDHA7 (NP_061733, 143 a.a. ~ 241 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	AESRPLDSRFPLEGASDADIGENALLTYRLSPNEYFFLDVPTSNQQVKPLGLVLRKLLDREETPELHLLLTATDGGKPELTGTVQLLITVLDNNDNAPV
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Rat (83)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 PCDHA7 expression in transfected 293T cell line by PCDHA7 monoclonal antibody (M08), clone 1C7.

Lane 1: PCDHA7 transfected lysate (Predicted MW: 100.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCDHA7 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PCDHA7

Entrez GeneID	<a href="#">56141</a>
GeneBank Accession#	<a href="#">NM_018910</a>
Protein Accession#	<a href="#">NP_061733</a>
Gene Name	PCDHA7
Gene Alias	CNR4, CNRN4, CNRS4, CRNR4, PCDH-ALPHA7
Gene Description	protocadherin alpha 7
Omim ID	<a href="#">606313</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq]</p>
Other Designations	KIAA0345-like 7 ortholog to mouse CNR4