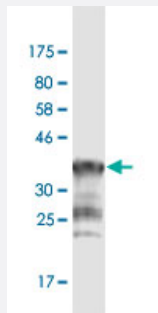


PCDHGA1 monoclonal antibody (M02), clone 1D2

Catalog # H00056114-M02

Size 100 ug

Applications



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PCDHGA1.
Immunogen	PCDHGA1 (NP_061735, 241 a.a. ~ 340 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AFTQAQYHINVPENVPLGTQLLMVNATDPDEGANGEVTYSFHNVDHRVAQIFRLDSYTGESNKEP LDFEYKMYSMEVQAQDGAGLMAKVKVLKVLVDV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (80)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PCDHGA1

Entrez GeneID [56114](#)

GeneBank Accession# [NM_018912](#)

Protein Accession# [NP_061735](#)

Gene Name PCDHGA1

Gene Alias MGC138287, MGC138289, PCDH-GAMMA-A1

Gene Description protocadherin gamma subfamily A, 1

Omim ID [606288](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations -

Disease

- [Tobacco Use Disorder](#)