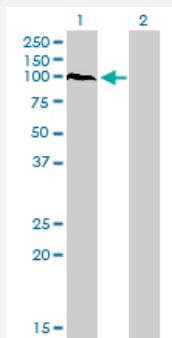


PCDHAC2 monoclonal antibody (M03), clone 3D12

Catalog # H00056134-M03

Size 100 ug

Applications

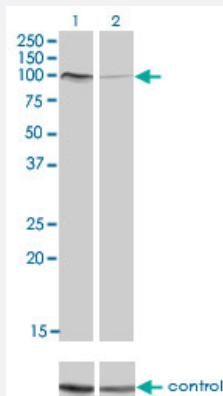


Western Blot (Transfected lysate)

Western Blot analysis of PCDHAC2 expression in transfected 293T cell line by PCDHAC2 monoclonal antibody (M03), clone 3D12.

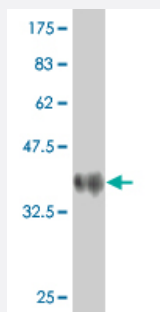
Lane 1: PCDHAC2 transfected lysate (96.2 kDa).

Lane 2: Non-transfected lysate.



RNAi Knockdown (Antibody validated)

Western blot analysis of PCDHAC2 over-expressed 293 cell line, cotransfected with PCDHAC2 Validated Chimera RNAi (Cat # H00056134-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PCDHAC2 monoclonal antibody (M03), clone 3D12 (Cat # H00056134-M03). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (37.84 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PCDHAC2.

Immunogen	PCDHAC2 (NP_061722, 81 a.a. ~ 190 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HLGAPSPRYLELDLTSGALFVNERIDREALCEQRPRCLLSLEVLAHNPVAVSAVEVEILDINDNSP RFPRPNYQLQVSESVPAGARFHIESAQDPDVGANSVQTYELSPS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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 (Transfected lysate)

Western Blot analysis of PCDHAC2 expression in transfected 293T cell line by PCDHAC2 monoclonal antibody (M03), clone 3D12.

Lane 1: PCDHAC2 transfected lysate(96.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of PCDHAC2 over-expressed 293 cell line, cotransfected with PCDHAC2 Validated Chimera RNAi (Cat # H00056134-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PCDHAC2 monoclonal antibody (M03), clone 3D12 (Cat # H00056134-M03). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — PCDHAC2

Entrez GeneID [56134](#)

GeneBank Accession# [NM_018899](#)

Protein Accession# [NP_061722](#)

Gene Name PCDHAC2

Gene Alias MGC71598, PCDH-ALPHA-C2

Gene Description protocadherin alpha subfamily C, 2

Omim ID [606321](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations -