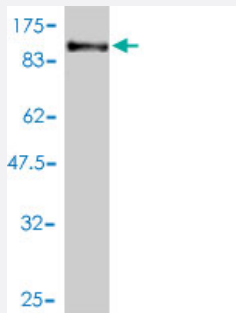


PCDHB16 monoclonal antibody (M01), clone 3F12-2A6

Catalog # H00057717-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (111.1 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PCDHB16.
Immunogen	PCDHB16 (AAH36062.1, 1 a.a. ~ 776 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEIGWMHNRQRQVLVFFVLLSLSGAGAE LGSYSVVEETERGSFVANLGKDLGLGLTEMSTRKA RIISQGNKQHLQLKAQTGDLLINEKLDREELCGPTEPCILHFQVLMENPLEIFQAELRVIDINDHSPM FTEKEMILKIPENSPLGTEFPLNHALDLVGSNVQNYKISPSSHFRVLIHEFRDGRKYPELVLDKE LDREEEPQLRLTLTALDGGSPPRSGTAQVRIEVDINDNAPEFEQPIYKVQIPENSPLGSLVATVSA RDL DGGANGKISYTLFQPSEDISKTLEVNPMTGEVRLRKQVDFEMVTSYEVRIKATDGGGLSGKC TLLQVVDVNDNPPQVTMSALTSPIAENSPENVAVFSVSDPD SGNGKTISSIQEDLPFLLKPSV KNFYTLVTERALDREARAEYNITLTVTDMGTPRLKTEHNITVQISDVNDNAPTFTQTSYTLFVRENNS PALHIGSVSATDRDSGTNAQVTYSLPPQDPLPLASLV SINADNGHLFALRSLDYEALQAFEFVRV GATDRGSPALSREALVRVLVLDANDNSPLVLYPLQNGSAPCTELVPRAAEPGYLVTKVVAVDGD SGQNAWLSYQLLKATEPGLFGVWAHNGEVRTARLLSERDAAKQRLVVLVKDNGEPPRSATATL HVLLVDGFSQPFLPLPEAAPGQTQANSLTVYLVALASVSSFLFSVLLFVAVRLCRRSRAASVG RCSMPEGPFPGRLVDVSGTGTLSSQSYQYEVCLTGGSETSEFKFLKPIIPNFSP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76)
Isotype	IgG1 kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (111.1 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 — PCDHB16

Entrez GeneID

[57717](#)

GeneBank Accession#

[BC036062](#)

Protein Accession#

[AAH36062.1](#)

Gene Name

PCDHB16

Gene Alias

KIAA1621, ME1, PCDH-BETA16, PCDH3X, PCDHB8a

Gene Description

protocadherin beta 16

Omim ID

[606345](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections. [provided by RefSeq]

Other Designations

PCDHBeta 16|cadherin ME1|protocadherin beta 8a|protocadherin-3x