

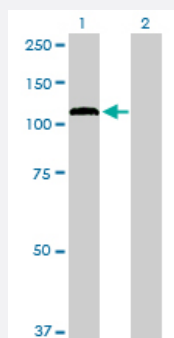
MaxPab®

PCDHGA12 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00026025-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PCDHGA12 expression in transfected 293T cell line ([H00026025-T01](#)) by PCDHGA12 MaxPab polyclonal antibody.

Lane 1: PCDHGA12 transfected lysate(102.52 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PCDHGA12 protein.

Immunogen

PCDHGA12 (NP_003726.1, 1 a.a. ~ 932 a.a) full-length human protein.

Sequence

MIPARLHRDYKGLVLLGILLGTLWETGCTQIRYSVP EELEKGS RVGDISRDLGLEPRELAERGVR IIP
RGRTQLFALNPRSGSLV TAGRIDREELCMGA IKCQLNLDILMEDKVKIYGV EVEVRDINDNAPYFRE
SELEIKISENAATEMRFLPHAWDPD IGKNSLQSYELSPNTHFSLIVQNGADGSKYPELV LKRALD
REEKAAHHLVLTASDG G D PVRTGTARIRVMVLDANDNAPAF AQPEYRASVPENLALGTQLLVN
ATDPDEGVNAEVRYSFRYVDDKAAQVFKLDCNSGTISTIGELDHEESGFYQMEVQAMD NAGYSA
RAKVLITVLDVNDNAPEVVLTSLASSVPENSPRGTLIALLVNDQDSEENGQVICFIQGNLPFKLEK
SYGNYSLVTDIVLDREQVPSYNITVTATDRGTPPLSTETHISLVADTNDNPPVFPQASYSAYIPEN
NPRGVSLSVTAHDPDCEENAQITYSLAENTIQGASLSSYVSINS DTGVL YALSSFDYEQFRDLQV
KVMARDNGHPPLSSNVSLSLFVLDQNDNAPEILYPALPTDGSTGVELAPRSAEPGYLVTKVVAVD
RDSGQNAWLSYRLLKASEPGLFSVGLHTGEVRTARALLDRDALKQSLVVAVQDHGQPPLSATVT
LTVAVADSIPQVLADLGSLESPANSETSDLTYLVVAVAAVSCVFLAFVILL LALRLRRWHKSRLLQ
ASGGGLTGAPASHFVGVDGVQAF LQTSHEVSLTTDSRKSHLIFPQPNYADMLVSQESFEKSEP
LLLSGDSVFSKDSHGLIEQAPPNTDWRF SQAQRPGTSGSQNGDDTGTWPNNQFDTEMLQAMIL
ASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAGKRDGKAPA
GGNGNKKKSGKKEKK

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — PCDHGA12

Entrez GeneID	26025
GeneBank Accession#	NM_003735.2
Protein Accession#	NP_003726.1
Gene Name	PCDHGA12
Gene Alias	CDH21, FIB3, KIAA0588, PCDH-GAMMA-A12
Gene Description	protocadherin gamma subfamily A, 12
Omim ID	603059
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

cadherin 21|fibroblast cadherin FIB3