

DNAxPAb

Hard-to-Find
Antibody

PCDHGA12 DNAxPab

Catalog # H00026025-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PCDHGA12 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MIPARLHRDYKGLVLLGILLGTLWETGCTQIRYSVP EELEKGSRVGDISRDLGLEPRELAERGVR IIP
 RGRTQLFALNPRSGSLVTAGRIDREELCMGAIKCQLNLDILMEDKVKIYGV EVEVRDINDNAPYFRE
 SELEIKISENAATEMRFLPHAWDPDIGKNSLQSYELSPNTHFSLIVQNGADGSKYPELV LKRALD
 REEKAHHLVLTASDGGDPVRTGTARIRVMVLDANDNAPAFAPQPEYRASVPENLALGTQLLVN
 ATDPDEGVNAEVRYSFYVDDKAAQVFKLDCNSGTISTIGELDHEESGFYQMEVQAMDNAGYSA
 RAKVLITVLDVNDNAPEVVLTSLASSVPENSPRGTLIALLVNDQDSEENGQVICFIQGNLPFKLEK
 SYGNYSLVTDIVLDREQVPSYNITVTATDRGTPPLSTETHISLVADTNDNPPVFPQASYSAYIPEN
 NPRGVSLSVTAHDPDCEENAIQITSLAENTIQGASLSSYVSINSDTGVL YALSSFDYEQFRDLQV
 KVMARDNGHPPLSSNVSLSLFVLDQNDNAPEILYPALPTDGSTGVELAPRSAEPGYLVTKVVAVD
 RD SGQNAWLSYRLLKASEPGLFSVGLHTGEVRTARALLDRDALKQSLVVAVQDHGQPPLSATVT
 LTVAVADSIPQVLADLGSLESPANSETSDLTLV VAVAAVSCVFLAFVILLALRLRRWHKSRLLQ
 ASGGGLTGAPASHFVGVDGVQAF LQTSHEVSLTTDSRKSHLIFPQPNYADMLVSQESFEKSEP
 LLLSGDSVFSKDSHGLIEQAPPNTDWRF SQAQRPGTSGSQNGDDTGTWPNNQFDTEMLQAMIL
 ASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAGKRDGKAPA
 GGNGNKKKSGKKEKK

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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