

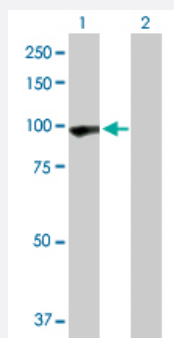
MaxPab®

PCDHGA5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00056110-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PCDHGA5 expression in transfected 293T cell line ([H00056110-T01](#)) by PCDHGA5 MaxPab polyclonal antibody.

Lane 1: PCDHGA5 transfected lysate(88.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PCDHGA5 protein.

Immunogen

PCDHGA5 (NP_114443.1, 1 a.a. ~ 813 a.a) full-length human protein.

Sequence

MASPPRGWGCGELLFPFMLLGTLCEPGSGQIRYSMPPELDKGSFVGNIKDLGLEPQELAERGV
RIVSRGRTQLFALNPRSGSLVTAGRIDREELCAQSPLCVVNFILVENKMKIYGVEVEIIDINDNFPR
FRDEELKVKVNNENAAAGTRLVLPFARDADVGVNSLRSYQLSSNLHFSLDVVSGTDGQKYPELV
EQPLDREKETVHDLTALDGGDPVLSGTTIRVTVDANDNAPLFTPSEYSVSVPENIPVGTRLL
MLTATDPDEGINGKLTYSFRNEEEKISETFQLDSNLGEISTLQSLDYEESRFYLMVVAAQDGGALV
ASAKVVVTVQDVNDNAPEVILTSLTSSISEDCLPGTVIALFSVHDGDSGENGEIACSIPRNLFPKLE
KSVDNYYHLLTTRDLREETS DYNITLTVMDHGTPLSTESHIPLKVADVNDNPPNFPQASYSSTV
TENNPRGVSIFSVTAHDPDSDGNARVTYSLAEDTFQGAPLSSYVSINSDTGVLYALRSFDYEQLRD
LQLWVTASDSGNPPLSSNVSLSLFVLDQNDNTPEILYPALPTDGSTGVELAPRSAEPGYLVTKVV
AVDKDSGQNAWLSYRLLKASEPGLFAVGLHTGEVVRTARALLDRDALKQSLVVAVEDHGGPPLS
ATFTVTAVADRIPDILADLGSIKTPIDPEDLDLTLYLVVAVAAVSCVFLAFVLLVLRRLRRWHKSRL
LQAEGSRLAGVPASHFVGVDGVRAFLQTYSHVSLTADSRKSHLIFPQPNYADTLLSEESCEKSE
PLLMSDKVDANKEERRVQVSFLFR

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (83); Rat (82)
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 — PCDHGA5

Entrez GeneID	56110
GeneBank Accession#	NM_032054.1
Protein Accession#	NP_114443.1
Gene Name	PCDHGA5
Gene Alias	CDH-GAMMA-A5, ME3, MGC142020, PCDH-GAMMA-A5
Gene Description	protocadherin gamma subfamily A, 5
Omim ID	606292
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 ME3