

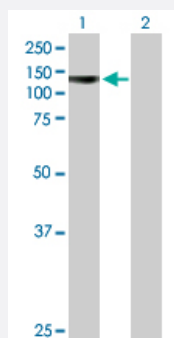
MaxPab®

# PCDHA4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00056144-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of PCDHA4 expression in transfected 293T cell line ([H00056144-T02](#)) by PCDHA4 MaxPab polyclonal antibody.

Lane 1: PCDHA4 transfected lysate(102.30 kDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human PCDHA4 protein.

### Immunogen

PCDHA4 (NP\_061730.1, 1 a.a. ~ 947 a.a) full-length human protein.

### Sequence

MEFSWGSQGSRRLLLLLLLAWEAGNGQLHYSVSEEAKHGTFVGRIQDLGLELAELVPRLF  
RVASKGRGGLLEVNLQNGILFVNSRIDREELCRRSAECSIHLEVVDRLQVFHVDVEVRDINDNP  
PVFPATQKNLSIAESRPLDSRPLEGASDADIGENALLTYRLSPNEYFSLEKPPDELVKGLGLILR  
KSLDREEAPEIFLVLATDGGKPELTGTVQLLITVLDANDNAPAFDRTYKVRLLNVNPGTLVIKLN  
ASDLDEGLNGDIVYSFSDISPVNKSKFHIDPITGQIVKGYIDFEESKSYEIVEGIDKGQLPLSGHCR  
VIVEVEDNNDNVPDLEFKSLSLPIREDAPLGTVIALISVSDKDMGVNGLVTCSLTSHVPFKLVSTFK  
NYSLVLDSALDRESVSAYELVVTARDGGSPSLWATASVSVEVADVNDNAPAFQAQPEYTVFVKE  
NNPPGCHIFTVSAWDADAQENALVSYSLVERRVGERALSSYSVSHAESGKVYALQPLDHEEEL  
LQFQVTARDAGVPPLGSNVTLQVFVLDENDNAPALLAPRAGGTGGAVSELVPWSVGVGHVAK  
VRAVDADSGYNALWSYELQPGTGGARIPFRVGLYTGEISTTRALDETDAPRHRLLVLVKDHGEPA  
LTATATVLVSLVESGQAPKASSRALVGAVGPDAALVDVNVYLIAICAVSSLLVLTLLLYTALRCSAL  
PTEGACAPGKPTLVCSSAVGSWSYSQRRPRVCSGEGPPKTDLMFSPSLPDSRDREDQLQT  
TEESFAKPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGPGPDQQWPTVSSATPEPEAGEV  
SPPVGAGVNSNSWTFKYGPKNPKQSGPGELPKDFIIPGSPAISIRQEPTNSQIDKSDFITFGKKEE  
TKKKKKKKKGKKTQEKKEKGNSTTDNSDQ

### Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); 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 — PCDHA4

Entrez GeneID	<a href="#">56144</a>
GeneBank Accession#	<a href="#">NM_018907.2</a>
Protein Accession#	<a href="#">NP_061730.1</a>
Gene Name	PCDHA4
Gene Alias	CNR1, CNRN1, CRNR1, MGC138307, MGC142169, PCDH-ALPHA4
Gene Description	protocadherin alpha 4
Omim ID	<a href="#">606310</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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**

KIAA0345-like 10|ortholog of mouse CNR1