

PCDHA3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54384

Specification

PCDHA3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9Y5H8
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHA3
Epitope Specificity	131-230/950
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Single pass type I membrane protein.
SIMILARITY	Contains 6 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin (PCDH) gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. The protein products of PCDH-alpha genes interact with Integrin β 1 to promote cell adhesion and form oligomers with PCDH-gamma proteins at specific membrane sites. PCDHA3 (Protocadherin alpha-3) is a 950 amino acid single-pass transmembrane protein that contains six cadherin domains. PCDHA3 is a unique cadherin in that it likely functions in spermatogenesis and may also have a role in organizing germ cell-specific structures, such as the flagellum, acrosome and intercellular bridge. There are two isoforms of PCDHA13 that are produced as a result of alternative splicing events.

PCDHA3 Polyclonal Antibody - Additional Information

Gene ID 56145

Other Names

Protocadherin alpha-3, PCDH-alpha-3, PCDHA3

Dilution

IHC-P~~N/A

=["dilution_IHC-F">IHC-F](#)~[N/A](#)<br \><span class
=["dilution_IF">IF](#)~[1:50~200](#)<br \>ICC](#)~[N/A](#)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PCDHA3 Polyclonal Antibody - Protein Information

Name PCDHA3

Function

Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

Cellular Location

Cell membrane; Single-pass type I membrane protein

PCDHA3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PCDHA3 Polyclonal Antibody - Images