

**PCDHGB1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54404**

**Specification**

**PCDHGB1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9Y5G3</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHGB1
Epitope Specificity	1-100/927
Isotype	IgG
<b>Purity</b>	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 gene clusters designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. The protocadherein gamma cluster consists of three subfamilies (A, B and C). As a member of the gamma subfamily B, PCDHGB1 (Protocadherin gamma B1) is a 927 amino acid protein that is one of 22 proteins encoded by the protocadherin gamma cluster. Typical of gamma protocadherins, PCDHGB1 contains six cadherin motifs and is a type I transmembrane receptor expressed in the central nervous system. With localization to synapses, members of the gamma cluster of protocadherins are essential for neuronal survival. There are two isoforms of PCDHGB1 that are produced as a result of alternative splicing events.

**PCDHGB1 Polyclonal Antibody - Additional Information**

**Gene ID 56104**

**Other Names**

Protocadherin gamma-B1, PCDH-gamma-B1, PCDHGB1

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br /><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br /><span class

= "dilution\_IF" > IF~~1:50~200</span><br /><span class ="dilution\_ICC">ICC~~N/A</span><br /><span class ="dilution\_E">E~~N/A</span>

**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.

**PCDHGB1 Polyclonal Antibody - Protein Information**

**Name** PCDHGB1

**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

**PCDHGB1 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](#)

**PCDHGB1 Polyclonal Antibody - Images**