

**PCDHGC3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54407**

**Specification**

**PCDHGC3 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9UN70</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHGC3/PCDH2
Epitope Specificity	251-350/934
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. PCDH2 (protocadherin-2), also known as PCDHGC3 (protocadherin gamma subfamily C, 3) or PC43, is a 934 amino acid single-pass type I membrane protein that contains six cadherin domains and belongs to the protocadherin gamma family. Functioning as a calcium-dependent cell-adhesion protein, PCDH2 is thought to be involved in the establishment and maintenance of neuronal connections within the brain. Multiple isoforms of PCDH2 exist due to alternative splicing events.

**PCDHGC3 Polyclonal Antibody - Additional Information**

**Gene ID 5098**

**Other Names**

Protocadherin gamma-C3, PCDH-gamma-C3, Protocadherin-2, Protocadherin-43, PC-43, PCDHGC3, PCDH2

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class

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

**PCDHGC3 Polyclonal Antibody - Protein Information**

**Name** PCDHGC3

**Synonyms** PCDH2

**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

**PCDHGC3 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](#)

**PCDHGC3 Polyclonal Antibody - Images**