

## ARG44461 anti-PCDHGC3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PCDHGC3
Tested Reactivity	Hu, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	PCDHGC3
Species	Human
Immunogen	Human PCDHGC3 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PCDHGC3; Protocadherin Gamma Subfamily C, 3; PCDH-GAMMA-C3; PC-43; PCDH2; PC43; Protocadherin Gamma-C3; Protocadherin 43; Cadherin-Like 2; Protocadherin-2; Protocadherin-43; Protocadherin 2; PCDH-Gamma-C3

### Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 <sup>6</sup>
	WB	0.25-0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

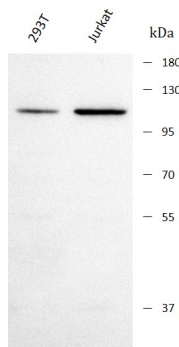
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

### Bioinformation

Gene Symbol	PCDHGC3
Gene Full Name	Protocadherin Gamma Subfamily C, 3
Background	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.
Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
Calculated Mw	101 kDa
PTM	Glycoprotein
Cellular Localization	Cell membrane, Membrane

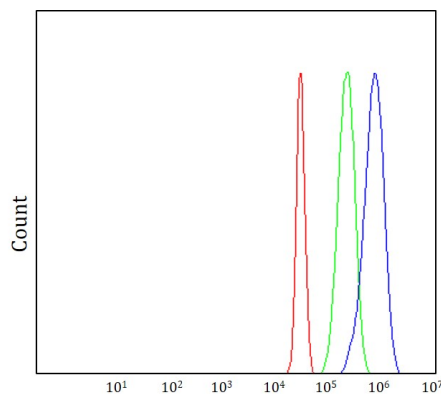
## Images

ARG44461 anti-PCDHGC3 antibody WB image



Western blot: 293T and Jurkat stained with ARG44461 anti-PCDHGC3 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.

ARG44461 anti-PCDHGC3 antibody FACS image



Flow Cytometry: JK stained with ARG44461 anti-PCDHGC3 antibody at 1  $\mu\text{g}/10^6$  cells dilution.

ARG44461 anti-PCDHGC3 antibody WB image

Western blot: C6 stained with ARG44461 anti-PCDHGC3 antibody at 0.5 µg/mL dilution.

