ARG44462
anti-PCDHGC4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PCDHGC4
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PCDHGC4
Species	Human
Immunogen	Human PCDHGC4 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PCDHGC4; Protocadherin Gamma Subfamily C, 4; PCDH-GAMMA-C4; Protocadherin Gamma-C4; PCDH-Gamma-C4; NEDGS

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6
ICC/IF	5 µg/ml
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

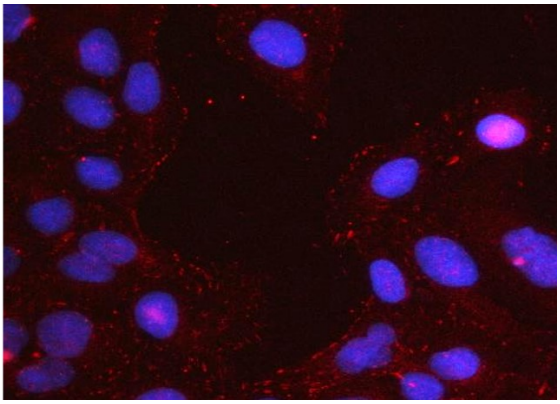
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

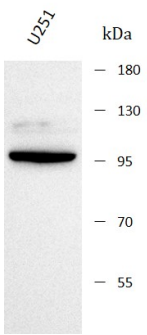
Gene Symbol	PCDHGC4
Gene Full Name	Protocadherin Gamma Subfamily C, 4
Background	This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism 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



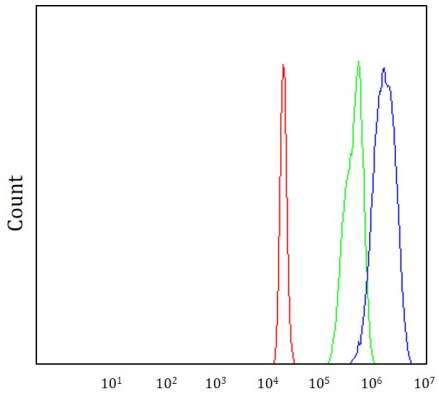
ARG44462 anti-PCDHGC4 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44462 anti-PCDHGC4 antibody at 5 µg/mL dilution.



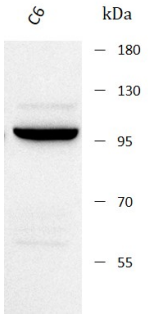
ARG44462 anti-PCDHGC4 antibody WB image

Western blot: U251 stained with ARG44462 anti-PCDHGC4 antibody at 0.5 µg/mL dilution.



ARG44462 anti-PCDHGC4 antibody FACS image

Flow Cytometry: 293T stained with ARG44462 anti-PCDHGC4 antibody at 1 µg/10^6 cells dilution.



ARG44462 anti-PCDHGC4 antibody WB image

Western blot: C6 stained with ARG44462 anti-PCDHGC4 antibody at 0.5 µg/mL dilution.