

Rabbit PCDHGC4 Polyclonal Antibody | anti-PCDHGC4 antibody

PCDHGC4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199990	Rabbit	Tested: Human Predicted: Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Immunohistochemistry, Western Blot

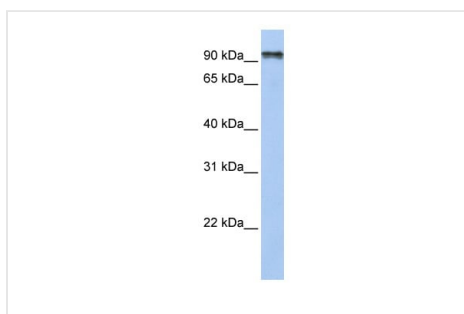
PRODUCT SYNONYMS

PCDHGC4; Polyclonal Antibody; PCDHGC4 antibody - N-terminal region; anti-PCDHGC4 antibody

PRODUCT SPECIFICATIONS

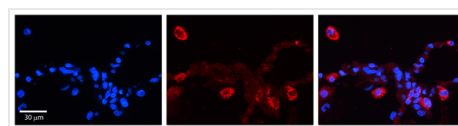
Host	Rabbit
Reactivity	Tested: Human Predicted: Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Applicable Applications for anti-PCDHGC4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Protein Size (# AA)	938 amino acids
Peptide Sequence	Synthetic peptide located within the following region: VKKRSDGSLVPELLEKPLDREKQSDYRLVLTAVDGGNPPRSGTAELRVS
Blocking Peptide	For anti-PCDHGC4 antibody is Catalog#
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PCDHGC4
Predicted Homology Based on Immunogen Sequence	Horse: 100%; Human: 100%; Mouse: 100%; Pig: 91%; Rabbit: 79%; Rat: 100%; Zebrafish: 100%
Replacement Item	This antibody may replace item sc-106954 from Santa Cruz Biotechnology.
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PCDHGC4 Antibody Titration: 0.2-1 ug/ml Positive Control: 293T cell lysate



IHC (Immunohistochemistry)

PCDHGC4 antibody - N-terminal region Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Cytoplasm of pneumocytes Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHGC4 antibody	PCDHGC4 is a single-pass type I membrane protein. It contains 6 cadherin domains.PCDHGC4 is a potential calcium-dependent cell-adhesion protein. It may be involved in the establishment and maintenance of specific neuronal connections in the brain.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.
Product Categories/Family for anti-PCDHGC4 antibody	Polyclonal; Signal Proteins; Cell Adhesion; Membrane Protein; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	11128025
NCBI GeneID	56098
NCBI Accession #	NP_061751
NCBI GenBank Nucleotide #	NM_018928
UniProt Accession #	Q9Y5F7
Molecular Weight	98kDa
NCBI Official Full Name	protocadherin gamma-C4 isoform 1
NCBI Official Synonym Full Names	protocadherin gamma subfamily C, 4
NCBI Official Symbol	PCDHGC4
NCBI Official Synonym Symbols	PCDH-GAMMA-C4
NCBI Protein Information	protocadherin gamma-C4
UniProt Protein Name	Protocadherin gamma-C4
UniProt Gene Name	PCDHGC4
UniProt Synonym Gene Names	PCDH-gamma-C4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pcdhgc4-antibody-immunohistochemistry-western-blot-elisa/199990>