

Rabbit anti-Human PCDHGA3 Polyclonal Antibody | anti-PCDHGA3 antibody

PCDHGA3 Antibody (Center)

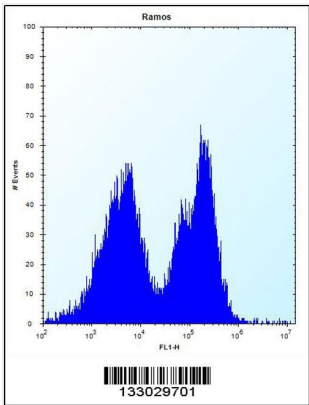
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284336	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

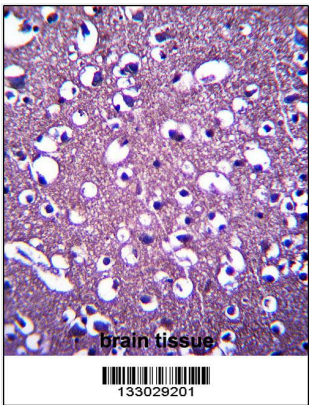
PCDHGA3; Polyclonal Antibody; PCDHGA3 Antibody (Center); Protocadherin gamma-A3; PCDH-gamma-A3; anti-PCDHGA3 antibody

PRODUCT SPECIFICATIONS

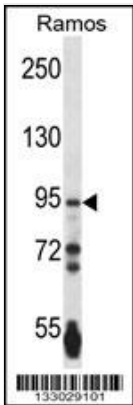
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHGA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-311 amino acids from the Central region of human PCDHGA3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	284-311
Sequence Length	829
Applicable Applications for anti-PCDHGA3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PCDHGA3 Antibody (Center) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
PCDHGA3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCDHGA3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHGA3 Antibody (Center) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the PCDHGA3 antibody detected the PCDHGA3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHGA3 antibody	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-PCDHGA3 antibody	Neuroscience; Signal Transduction

References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Wu, Q., et al. Genome Res. 11(3):389-404(2001) Nollet, F., et al. J. Mol. Biol. 299(3):551-572(2000) Yagi, T., et al. Genes Dev. 14(10):1169-1180(2000) Wu, Q., et al. Proc. Natl. Acad. Sci. U.S.A. 97(7):3124-3129(2000)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14589880
NCBI GeneID	56112
NCBI Accession #	NP_061739.2; NP_114400.1
NCBI GenBank Nucleotide #	NM_018916.3
UniProt Accession #	Q9Y5H0; Q9Y5D4
Molecular Weight	100971
NCBI Official Full Name	protocadherin gamma-A3 isoform 1
NCBI Official Synonym Full Names	protocadherin gamma subfamily A, 3
NCBI Official Symbol	PCDHGA3
NCBI Official Synonym Symbols	PCDH-GAMMA-A3
NCBI Protein Information	protocadherin gamma-A3
UniProt Protein Name	Protocadherin gamma-A3
UniProt Gene Name	PCDHGA3
UniProt Synonym Gene Names	PCDH-gamma-A3
UniProt Entry Name	PCDG3_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/pcdhga3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284336>