

Rabbit anti-Human PCDHAC2 Polyclonal Antibody | anti-PCDHAC2 antibody

PCDHAC2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283970	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PCDHAC2; Polyclonal Antibody; PCDHAC2 Antibody (Center); Protocadherin alpha-C2; PCDH-alpha-C2; anti-PCDHAC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHAC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 616-644 amino acids from the Central region of human PCDHAC2.
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	616-644
Sequence Length	1007
Applicable Applications for anti-PCDHAC2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), 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.

IMAGES



FCM/FACS (Flow Cytometry)

PCDHAC2 Antibody (Center) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of PCDHAC2 Antibody (Center) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

PCDHAC2 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 PCDHAC2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

PCDHAC2 Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PCDHAC2 antibody detected the PCDHAC2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHAC2 antibody	This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.
Product Categories/Family for anti-PCDHAC2 antibody	Neuroscience ; Signal Transduction
References	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) Sugino, H., et al. Genomics 63(1):75-87(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9256600
NCBI GeneID	56134
NCBI Accession #	NP_061722.1 ; NP_114089.1
NCBI GenBank Nucleotide #	NM_018899.5
UniProt Accession #	Q9Y5I4 ; Q2M3V1 ; Q9Y5F4
Molecular Weight	109450
NCBI Official Full Name	protocadherin alpha-C2 isoform 1
NCBI Official Synonym Full Names	protocadherin alpha subfamily C, 2
NCBI Official Symbol	PCDHAC2
NCBI Official Synonym Symbols	PCDH-ALPHA-C2
NCBI Protein Information	protocadherin alpha-C2
UniProt Protein Name	Protocadherin alpha-C2

UniProt Gene Name	PCDHAC2
UniProt Synonym Gene Names	PCDH-alpha-C2
UniProt Entry Name	PCDC2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcdhac2-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/283970>