

Rabbit anti-Human PCDHB12 Polyclonal Antibody | anti-PCDHB12 antibody

PCDHB12 Antibody (C-term)

CATALOG # AAA287318	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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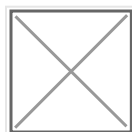
PRODUCT SYNONYMS

PCDHB12; Polyclonal Antibody; PCDHB12 Antibody (C-term); Protocadherin beta-12; PCDH-beta-12; anti-PCDHB12 antibody

PRODUCT SPECIFICATIONS

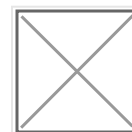
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHB12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 766-795 amino acids from the C-terminal region of human PCDHB12.
Purity/Purification	Peptide Affinity Purified Rabbit 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	766-795
Sequence Length	458
Applicable Applications for anti-PCDHB12 antibody	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



IHC (Immunohistochemistry)

PCDHB12 Antibody (C-term) 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 PCDHB12 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

PCDHB12 Antibody (C-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PCDHB12 antibody detected the PCDHB12 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHB12 antibody	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.
Product Categories/Family for anti-PCDHB12 antibody	Neuroscience; Signal Transduction
References	Vanhalst, K., et al. FEBS Lett. 495 (1-2), 120-125 (2001) : 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9256606
NCBI GeneID	56124
NCBI Accession #	NP_061755.1
NCBI GenBank Nucleotide #	NM_018932.3
UniProt Accession #	Q9Y5F1 ; B4DDU1
Molecular Weight	86770
NCBI Official Full Name	protocadherin beta-12
NCBI Official Synonym Full Names	protocadherin beta 12
NCBI Official Symbol	PCDHB12
NCBI Official Synonym Symbols	PCDH-BETA12
NCBI Protein Information	protocadherin beta-12
UniProt Protein Name	Protocadherin beta-12
UniProt Gene Name	PCDHB12
UniProt Synonym Gene Names	PCDH-beta-12
UniProt Entry Name	PCDBC_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/pcdhub12-antibody-immunohistochemistry-western-blot-elisa/287318>