

Rabbit anti-Human PCDHB3 Polyclonal Antibody | anti-PCDHB3 antibody

PCDHB3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289998	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

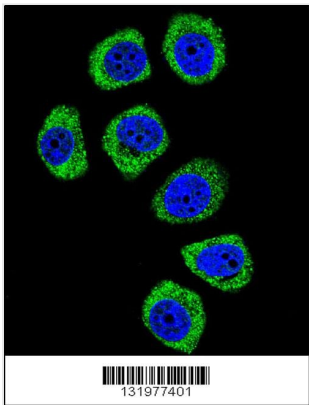
PRODUCT SYNONYMS

PCDHB3; Polyclonal Antibody; PCDHB3 Antibody (N-term); Protocadherin beta-3; PCDH-beta-3; anti-PCDHB3 antibody

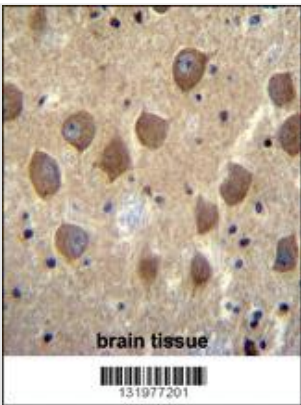
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-39 amino acids from the N-terminal region of human PCDHB3.
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: 0.4 (varies by lot)
Sequence Positions	12-39
Sequence Length	796
Applicable Applications for anti-PCDHB3 antibody	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.

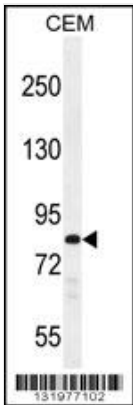
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of PCDHB3 Antibody (N-term) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
PCDHB3 Antibody (N-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 PCDHB3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHB3 Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the PCDHB3 antibody detected the PCDHB3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHB3 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-PCDHB3 antibody	Neuroscience; Signal Transduction

References	Frank, M., et al. Curr. Opin. Cell Biol. 14(5):557-562(2002) 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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9256614
NCBI GeneID	56132
NCBI Accession #	NP_061760.1
NCBI GenBank Nucleotide #	NM_018937.4
UniProt Accession #	Q9Y5E6; B2R8P2
Molecular Weight	86773
NCBI Official Full Name	protocadherin beta-3
NCBI Official Synonym Full Names	protocadherin beta 3
NCBI Official Symbol	PCDHB3
NCBI Official Synonym Symbols	PCDH-BETA3
NCBI Protein Information	protocadherin beta-3
UniProt Protein Name	Protocadherin beta-3
UniProt Gene Name	PCDHB3
UniProt Synonym Gene Names	PCDH-beta-3
UniProt Entry Name	PCDB3_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.