

Rabbit anti-Human PCDHA12 Polyclonal Antibody | anti-PCDHA12 antibody

PCDHA12 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289949	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

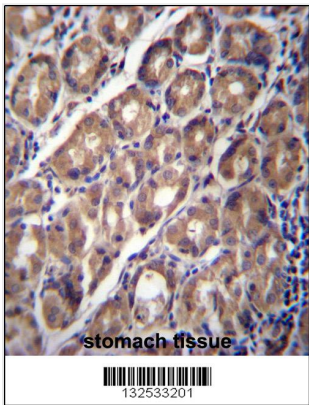
PRODUCT SYNONYMS

PCDHA12; Polyclonal Antibody; PCDHA12 Antibody (N-term); Protocadherin alpha-12; PCDH-alpha-12; anti-PCDHA12 antibody

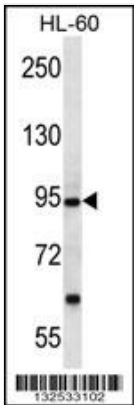
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCDHA12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the N-terminal region of human PCDHA12.
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	166-194
Sequence Length	792
Applicable Applications for anti-PCDHA12 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 (Immunohiostchemistry)
PCDHA12 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCDHA12 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PCDHA12 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the PCDHA12 antibody detected the PCDHA12 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHA12 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-PCDHA12 antibody	Cancer; Signal Transduction
References	Wu, C., et al. Proteomics 7(11):1775-1785(2007) Schmutz, J., et al. Nature 431(7006):268-274(2004) 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	9256578
NCBI GeneID	56137
NCBI Accession #	NP_061726.1 ; NP_114070.1
NCBI GenBank Nucleotide #	NM_018903.3
UniProt Accession #	Q9UN75 ; O75278 ; Q2M1N8
Molecular Weight	101652

NCBI Official Full Name	protocadherin alpha-12 isoform 1
NCBI Official Synonym Full Names	protocadherin alpha 12
NCBI Official Symbol	PCDHA12
NCBI Official Synonym Symbols	PCDH-ALPHA12
NCBI Protein Information	protocadherin alpha-12
UniProt Protein Name	Protocadherin alpha-12
UniProt Gene Name	PCDHA12
UniProt Synonym Gene Names	PCDH-alpha-12
UniProt Entry Name	PCDAC_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://www.aaabiotech.com/polyclonal/pcdha12-antibody-immunohistochemistry-western-blot-elisa/289949>