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Rabbit Anti-PCDHB2 antibody

SL11136R

Product Name:	PCDHB2
Chinese Name:	原钙粘蛋白β2抗体
Alias:	MGC111392; PCDH beta 2; PCDH beta2; PCDHB 2; Protocadherin beta 2; PCDB2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	84kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHB2:241-340/798<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes.PCDHB2 (protocadherin beta 2), whose alternative names include MGC111392 or PCDH-BETA2, is one of 16 proteins

in the protocadherin beta cluster, and contains 798 amino acids. PCDHB2 is a single-pass type I membrane protein which is involved in maintaining specific neuronal connections in the brain. PCDHB2 contains six cadherin domains and has a potential role in calcium-dependent cell-adhesion.Unlike the alpha and gamma gene clusters whose genes are spliced to downstream constant region exons during transcription, members of the beta cluster (such as PCDHB2) do not use constant-region exons to produce mRNAs. As a result, each protocadherin beta gene encodes the transmembrane, extracellular and short cytoplasmic domains of the protein.

Function:
PCDHB2 is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. It is a potential neural cadherin-like calcium-dependent cell-adhesion protein and may be involved in the establishment and maintenance of specific neuronal connections in the brain.

Subcellular Location:
Cell membrane; Single-pass type I membrane protein.

Similarity:
Contains 6 cadherin domains.

SWISS:
Q9Y5E7

Gene ID:
56133

Database links:

Entrez Gene: 56133Human

Omim: 606328Human

SwissProt: Q9Y5E7Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.