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Rabbit Anti-PCDHB4 antibody

SL11138R

Product Name:	PCDHB4
Chinese Name:	原钙粘蛋白β4抗体
Alias:	PCDB4_HUMAN; PCDH beta4; PCDH-beta-4; PCDHB4; PCDHB 4; PCDHB-4; Pcdhb5A; PcdhbD; Protocadherin beta-4.
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 PCDHB4:251-350/795<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. PCDHB4 (Protocadherin beta-4) is a 795 amino acid single pass transmembrane protein that is one of 16 proteins in the

	protocadherin beta cluster. 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 PCDHB4) 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. PCDHB4 is likely a calcium-dependent cell adhesion protein that is involved in the maintenance of neural connections in the brain. **Function:** Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain. **Subunit:** Contains 6 cadherin domains. **Subcellular Location:** Cell membrane. **Similarity:** Contains 6 cadherin domains. **SWISS:** Q9Y5E5 **Gene ID:** 56131 **Database links:** Entrez Gene: 56131Human SwissProt: Q9Y5E5Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.