SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-PCDHB1 antibody

SL13724R

Product Name:	PCDHB1
Chinese Name:	原钙粘附蛋白β1抗体
Alias:	MGC138301; MGC138303; PCDB1_HUMAN; PCDH beta1; PCDH-beta-1; PCDHB 1; PCDHB1; Protocadherin beta 1; Protocadherin beta-1;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=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:	90kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHB1:51-150/818
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. PCDHB1 (Protocadherin beta 1) is an 818 amino acid 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 PCDHB1) 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. PCDHB1 is a single-pass type I membrane protein containing six cadherin domains. **Function:** Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain. **Subcellular Location:** Cell membrane. **Similarity:** Contains 6 cadherin domains. **SWISS:** Q9Y5F3 **Gene ID:** 29930 **Database links:** Entrez Gene: 29930 Human Omim: 606327 Human SwissProt: Q9Y5F3 Human Unigene: 278950 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.