

PCDHB1 Rabbit pAb

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Catalog # AP55255

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y5F3
Reactivity	Human
Predicted	Mouse, Rat, Dog, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90491
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHB1
Epitope Specificity	51-150/818
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Contains 6 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	29930
Other Names	Protocadherin beta-1, PCDH-beta-1, PCDHB1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	PCDHB1
Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
Cellular Location	Cell membrane; Single-pass type I membrane protein

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.