

PCDHB2 Rabbit pAb

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Catalog # AP54393

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y5E7
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87254
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHB2
Epitope Specificity	241-340/798
Isotype	IgG
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; Single-pass type I membrane protein.
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. 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.

Additional Information

Gene ID	56133
Other Names	Protocadherin beta-2, PCDH-beta-2, PCDHB2
Dilution	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	PCDHB2
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'.