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PCDHGA2 Rabbit pAb

Catalog # AP96261

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHGA2
Epitope Specificity	61-160/932
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.
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. PCDHGA2 (Protocadherin gamma A2) is a 932 amino acid protein that is one of 22 proteins encoded by the protocadherin gamma cluster. The protocadherein gamma cluster consists of three subfamilies (A, B and C) and PCDHGA2 is a member of the gamma subfamily A. PCDHGA2 contains six cadherin motifs, and characteristic of gamma protocadherins, PCDHGA2 is a type I transmembrane receptor expressed in the central nervous system and localizes to synapses. Members of the gamma cluster of protocadherins are essential for neuronal survival.

Additional Information

Gene ID	56113
Other Names	PCDH-GAMMA-A2; mKIAA0588; protocadherin gamma subfamily A, 2
Dilution	WB=1:500-2000
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.
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Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

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