

PCDHGA4 Rabbit pAb

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Catalog # AP54398

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y5G9
Predicted	Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103968
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHGA4
Epitope Specificity	91-190/931
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 (PCDH) gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDHGA4 (Protocadherin gamma-A4) is a 931 amino acid that is one of 22 proteins encoded by the protocadherin gamma cluster. The protocadherin gamma cluster consists of three subfamilies (A, B and C) and PCDHGA4 is a member of the gamma subfamily A. PCDHGA4 is a type I transmembrane receptor containing six cadherin motifs and is expressed in the central nervous system where it localizes to synapses. Members of the gamma cluster of protocadherins are essential for neuronal survival. There are two isoforms of PCDHGA4 that are produced as a result of alternative splicing events.

Additional Information

Gene ID	56111
Other Names	Protocadherin gamma-A4, PCDH-gamma-A4, PCDHGA4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	PCDHGA4
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

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