

PCDHGA12 Rabbit pAb

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Catalog # AP54402

Product Information

Application	IHC-P, IHC-F, IF
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHGA12
Epitope Specificity	101-200/932
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.
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. The protocadherin gamma cluster consists of three subfamilies (A, B and C). As a member of the gamma subfamily A, PCDHGA12 (Protocadherin gamma A12), also known as Cadherin-21 and Fibroblast cadherin-3, is a 932 amino acid protein that is one of 22 proteins encoded by the protocadherin gamma cluster. Typical of gamma protocadherins, PCDHGA12 contains six cadherin motifs and is a type I transmembrane receptor expressed in the central nervous system. Ubiquitously expressed with lowest levels in spleen, PCDHGA12 is thought to be involved in cell signaling. There are three isoforms of PCDHGA12 that are produced as a result of alternative splicing events.

Additional Information

Other Names	Protocadherin gamma-A12, PCDH-gamma-A12, Cadherin-21, Fibroblast cadherin-3, PCDHGA12, CDH21, FIB3, KIAA0588
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.

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