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PCDHA3 Rabbit pAb

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Catalog # AP54384

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y5H8
Predicted	Rat, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102428
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDHA3
Epitope Specificity	131-230/950
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. The protein products of PCDH-alpha genes interact with Integrin ∫1 to promote cell adhesion and form oligomers with PCDH-gamma proteins at specific membrane sites. PCDHA3 (Protocadherin alpha-3) is a 950 amino acid single-pass transmembrane protein that contains six cadherin domains. PCDHA3 is a unique cadherin in that it likely functions in spermatogenesis and may also have a role in organizing germ cell-specific structures, such as the flagellum, acrosome and intercellular bridge. There are two isoforms of PCDHA13 that are produced as a result of alternative splicing events.

Additional Information

Gene ID	56145
Other Names	Protocadherin alpha-3, PCDH-alpha-3, PCDHA3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	PCDHA3
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'.