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CACH6/Cav2.3 Rabbit pAb

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Catalog # AP58111

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Cav23
Epitope Specificity	1265-1360/2313
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	Membrane; Multi-pass 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	Calcium channels mediate the influx of calcium ions into the cell following membrane polarisation. R-type calcium channels such as Cav2.3 belong to the "high voltage-activated" group and are blocked by nickel. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Each of these proteins exists as multiple isoforms, either encoded by different genes or arising from alternative splicing of transcripts. Cav2.3 is an alpha-1 subunit and has 24 transmembrane segments, which form the pore through which ions pass into the cell. Calcium channels containing the Cav2.3 subunit may be involved in the modulation of firing patterns of neurons, which is important for information processing.

Additional Information

Other Names	Voltage-dependent R-type calcium channel subunit alpha-1E, Brain calcium channel II, BII, Calcium channel, L type, alpha-1 polypeptide, isoform 6, Voltage-gated calcium channel subunit alpha Cav2.3, CACNA1E, CACH6, CACNL1A6
Dilution	IHC-P=1:100-500,IHC-F=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.

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