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Datasheet for ABIN751348
anti-CACNA1E antibody (AA 1265-1360)

Overview

Quantity:	100 µL
Target:	CACNA1E
Binding Specificity:	AA 1265-1360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1E antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Cav23
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	CACNA1E
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Target Details

Alternative Name:	CACH6/Cav2.3 (CACNA1E Products)
Background:	<p>Synonyms: BII, Brain calcium channel II, CAC 1E, CAC1E, CACH 6, CACH6, CACNA1E, Cacn1l a6, CACNL1A6, Calcium channel, L type, alpha 1 polypeptide, isoform 6, calcium channel, R type, Cav 2.3, Cchra 1, Cchra1, Voltage dependent R type calcium channel subunit alpha 1E, Voltage gated calcium channel subunit alpha Cav2.3.</p> <p>Background: 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.</p>
Gene ID:	777
Pathways:	Carbohydrate Homeostasis

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months