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Anti-CACNA1E / Cav2.3 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17436

Product Information

Application	WB, IHC-P
Primary Accession	Q15878
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	261731
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	777
Alias Symbol	CACNA1E
Other Names	CACNA1E, BII, Brain calcium channel II, Cav2.3, CACNL1A6, Alpha 1e, CACH6, Cchra1
Target/Specificity	Recognizes endogenous levels of Cav2.3 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-CACNA1E / Cav2.3 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CACNA1E
Synonyms	CACH6, CACNL1A6
Function	Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells (PubMed:30343943). They are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. The isoform alpha-1E gives rise to R-type calcium currents. R-type calcium channels belong to the 'high-voltage activated' (HVA) group and are blocked by nickel. They are however insensitive to dihydropyridines (DHP). Calcium channels containing alpha-1E subunit could be involved in the modulation of firing patterns of neurons which is important for information processing.

Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Expressed in neuronal tissues and in kidney.