

Anti-CACNA1E / Cav2.3 Antibody (Internal)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17436**Specification**

Anti-CACNA1E / Cav2.3 Antibody (Internal) - Product Information

Application	WB, IHC-P
Primary Accession	Q15878
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	261731

Anti-CACNA1E / Cav2.3 Antibody (Internal) - 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.

Anti-CACNA1E / Cav2.3 Antibody (Internal) - 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.

Anti-CACNA1E / Cav2.3 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CACNA1E / Cav2.3 Antibody (Internal) - Images