

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

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

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IHC-P                 |
| Primary Accession | <a href="#">Q15878</a>    |
| 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   |
| <b>Other Names</b> | 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:<a href="http://www.uniprot.org/citations/30343943" target="\_blank">30343943</a>). 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**