10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17436

## Product Information

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| **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

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| **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

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| **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. |

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

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