

CACNA1S antibody

Product Information

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| Catalog No.: | FNab01173 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.) |

Background

Voltage-sensitive calcium channels(VSCC) mediate the entry of calcium ions into excitable cells and 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-1S gives rise to L-type calcium currents. Long-lasting(L-type) calcium channels belong to the 'high-voltage activated'(HVA) group. They are blocked by dihydropyridines(DHP), phenylalkylamines, benzothiazepines, and by omega-agatoxin-III A(omega-Aga-III A). They are however insensitive to omega-conotoxin-GVIA(omega-CTx-GVIA) and omega-agatoxin-IVA(omega-Aga-IVA). Calcium channels containing the alpha-1S subunit play an important role in excitation-contraction coupling in skeletal muscle.

Immunogen information

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| Immunogen: | calcium channel, voltage-dependent, L type, alpha 1S subunit |
| Synonyms: | Voltage-dependent L-type calcium channel subunit alpha-1S Calcium channel, L type, alpha-1 polypeptide, isoform 3, skeletal muscle Voltage-gated calcium channel subunit alpha Cav1.1 CACNA1S CACH1 CACN1 CACNL1A3 |
| Observed MW: | 200-220 kDa |
| Uniprot ID : | Q13698 |

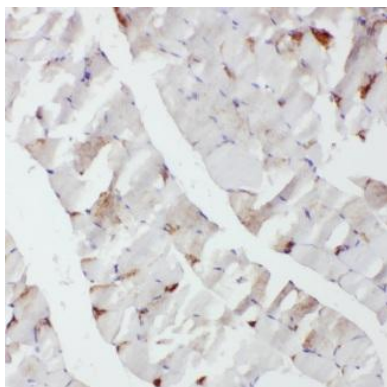
Application

Reactivity: Human

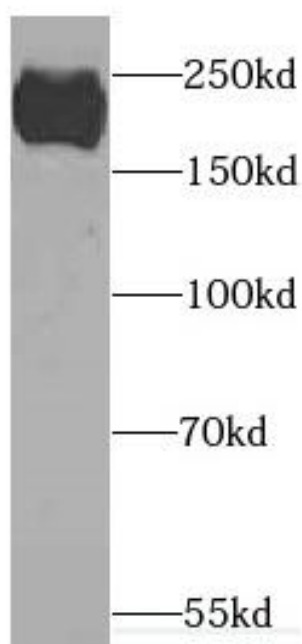
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human skeletal muscle slide using FNab01173(CACNA1S Antibody) at dilution of 1:50



human brain tissue were subjected to SDS PAGE followed by western blot with FNab01173(CACNA1S antibody) at dilution of 1:1000