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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Calcium Channel. Rabbit Antigen Immunoaffinity Purified Polyclonal

BACKGROUND

Voltage-sensitive calcium channels (VSCCs) 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-1b gives rise to N-type calcium currents. N-type calcium channels belong to the 'high-voltage activated' (hva) group and are blocked by omega-conotoxin-GVIA (omega-ctx-GVIA) and by omega-agatoxin-IIIA (omega-aga-IIIA). They are however insensitive to dihydropyridines (dhp), and omega-agatoxin-IVA (omega-aga-IVA). Calcium channels containing alpha-1b subunit may play a role in directed migration of immature neurons.

IMMUNOGEN

Synthetic peptide derived from the rat alpha1B calcium channel conjugated to KLH

POSITIVE CONTROL/TISSUE EXPRESSION

Isoform Alpha-1b-1 and isoform Alpha-1b-2 are expressed in the central nervous system, but not in skeletal muscle or aorta.

COMMENTS

Antibody can be used for Western blotting (1:400 dilution). Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X2712P

SIZE

10 Miniblots

FORM

Affinity Purified

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Human

ACCESSION NUMBER

,

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Dubel, S.J. et.al. "Molecular cloning of the alpha-1 subunit of an omega-conotoxin-sensitive calcium channel" Proc. Natl. Acad. Sci. U.S.A. 89 (11), 5058-5062 (1992)
2. Snutch, T.P. et.al. "Rat brain expresses a heterogeneous family of calcium channels" Proc. Natl. Acad. Sci. U.S.A. 87 (9), 3391-3395 (1990)
3. Hell, J.W. et.al. "Differential phosphorylation of two size forms of the N-type calcium channel alpha 1 subunit which have different COOH termini" J. Biol. Chem. 269 (10), 7390-7396 (1994)
4. Sunan, A.A. et.al. "The C terminus of the Ca channel alpha1B subunit mediates selective inhibition by G-protein-coupled receptors." J Neurosci. 21(19), 7587-97. (2001)