



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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calcium channel subunit alpha-1E. 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-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, and partially by omega-agatoxin-iiiia (omega-aga-IIIA). They are however insensitive to dihydropyridines (DHP), omega-conotoxin-GVIA (omega-ctx-GVIA), and omega-agatoxin-IVA (omega-aga-IVA). Calcium channels containing alpha-1e subunit could be involved in the modulation of firing patterns of neurons.

IMMUNOGEN

Synthetic peptide derived from the rat alpha1E calcium channel conjugated to KLH

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

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

ORDERING INFORMATION

CATALOG NUMBER

X2714P

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

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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. Soong, T.W et al. "Structure and functional expression of a member of the low voltage-activated calcium channel family" *Science* 260 (5111), 1133-1136 (1993)

2. Chen, S. et al. "Alpha 1E subunit of the R-type calcium channel is associated with myelinogenesis." *J. Neurocytol.* 29(10), 719-28 (2000)