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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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. Rabbit Polyclonal Antibody

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. 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-IIIa (omega-aga-IIIa). They are however insensitive to omega-conotoxin-GVIA (omega-ctx-GVIA) and omega-agatoxin-IVA (omega-aga-IVA). The overall conclusion is that deletion of the beta 3 subunit affects at least three distinct types of High voltage activated Ca²⁺ channel (L,N and P/Q types), but no single type of channel is solely dependent on beta 3.

IMMUNOGEN

Synthetic peptide derived from the rat beta3 calcium channel conjugated to KLH

POSITIVE CONTROL/TISSUE EXPRESSION

Rat brain lysate

COMMENTS

This antibody can be used for Western blotting (5-10 µg/ml). Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1515P

SIZE

100 µg

FORM

Unconjugated

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

P54284, Human

PURIFICATION

Ammonium Sulfate Precipitation

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. Castellano, A. et al., Cloning and expression of a third calcium channel beta subunit
J. Biol. Chem. 268 (5), 3450-3455 (1993)
2. Castellano, A. et al. Cloning and expression of a neuronal calcium channel beta subunit
J. Biol. Chem. 268 (17), 12359-12366 (1993)
3. Smith SM, et al. Neuronal voltage-activated calcium channels: on the roles of the alpha 1E and beta 3 subunits. Ann
N Y Acad Sci USA 868, 175-198 (1999)