



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



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).

ORDERING INFORMATION

CATALOG NUMBER

X1513P

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

Q02641, Human

IMMUNOGEN

Synthetic peptide derived from the rat beta1 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.

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. Powers, P.A., et al. "Skeletal muscle and brain isoforms of a beta-subunit of human voltage-dependent calcium channels are encoded by a single gene." *J. Biol. Chem.* 1992, 267, 22967-22972.
2. Collin, T., et al. "Molecular cloning of three isoforms of the L-type voltage-dependent calcium channel beta subunit form normal human heart." *Circ. Res.* 1993, 72, 1337-1344.
3. Fukuda, K., et al. "Cyclic AMP-dependent modulation of N- and Q-type Ca²⁺ channels expressed in *Xenopus* oocytes." *Neurosci. Lett.* 1996, 217, 13-16.
4. Hogan, K., et al. "Structure and alternative splicing of the gene encoding the human beta1 subunit of voltage dependent calcium channels." *Neurosci. Lett.* 1999, 277, 111-114.