

β2 Calcium Channel. Rabbit Polyclonal Antibody , Human

BACKGROUND

Heterologous expression studies have shown that the activity of voltage-gated Ca²⁺ channels is regulated by their beta subunits in a beta subunit isoform-specific manner. Our data show that all four beta subunit isoforms associate with L-type Ca²⁺ channels in mammalian brain. This beta subunit heterogeneity may play an important role for the fine tuning of L-type channel function and modulation in neurons.

ORDERING INFORMATION

CATALOG NUMBER

X1514P

SIZE

100 μg

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

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

CONCENTRATION

1 mg/ml

ISOTYPE

IgG

APPLICATIONS

Western Blot

IMMUNOGEN

Synthetic peptide derived from the rat beta2 calcium channel conjugated to KLH

SPECIES REACTIVITY

Human

Legend:

Western blot analysis using beta2 antibody on rat brain lysate.



For research use only. Not for use in human diagnostics or therapeutics.

POSITIVE CONTROL/TISSUE EXPRESSION

Rat brain lysate

COMMENTS

This antibody can be used for Western blotting (5-10 $\mu\text{g/ml}$). Optimal concentration should be evaluated by serial dilutions.

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. Perez-Reyes, E. et al. "Cloning and expression of a cardiac/brain beta subunit of the L-type calcium channel." J. Biol. Chem. 1992, 267, 1792-1797

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