Anti - β3 calcium channel Polyclonal

Catalog #	X1036	Unit Size	100 μg
Host	rabbit	Concentration	1 mg/ml
Immunogen	β3 peptide -KLH (a.a.1-15)	Buffer	0.2 μM sterile filtered solution in phosphate buffered saline with 0.08% sodium azide pH7.4
Isotype	rabbit polyclonal IgG		
Clone	n/a		
Positive control	rat cortical and hippocampal neuronal membranes		
Negative control	non neuronal cells	Storage	-20°C

Western Blot	Immunoprecipitation	Immunofluorescence	Paraffin	Other
1:1000	yes	yes	not tested	not tested

Species Reactivity

Human	Rat	Mouse	Chicken	Other
not tested	rat	not tested	not tested	not tested

Background:

The expression of multiple classes of voltage dependent calcium channels (VDCC's) allows neurons to tailor calcium signaling to functionally discrete cellular regions. Although N-Type VDCC's exist before birth which is consistent with a role in migration, most N-Type VDCC's subunit expression is postnatal and is important in the genesis of synaptic transmission in discrete hippocampal fields (1). The rabbit α_{1B} calcium channel antibody recognizes a 55 kDa band by western blot.

Related Products

Specificity	Quantity	Cat#
rabbit anti β_3 calcium channel	100 ug	X1036

References
(1) Jones, O. T. et. al. J. Neuroscience (1997) 17:6152-6164

Exalpha Biologicals, Inc., 2 Shaker Rd, #B101, Shirley, MA 01464
Tel: 800.395.1137 or 978.425.1370, Fax: 866.924.5100 or 978.425.1376, Web: www.exalpha.com