



## Anti - $\beta_3$ calcium channel Polyclonal

Catalog #	X1036	Unit Size	100 $\mu$ g
Host	rabbit	Concentration	1 mg/ml
Immunogen	$\beta_3$ peptide -KLH (a.a.1-15)	Buffer	0.2 $\mu$ M sterile
Isotype	rabbit polyclonal IgG	filtered solution in	
Clone	n/a	phosphate buffered saline	
Positive control	rat cortical and hippocampal neuronal membranes	with 0.08% sodium azide pH7.4	
Negative control	non neuronal cells	Storage -20 $^{\circ}$ C	

Western Blot 1:1000	Immunoprecipitation yes	Immunofluorescence yes	Paraffin not tested	Other not tested
Species Reactivity Human not tested	Rat rat	Mouse not tested	Chicken not tested	Other 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  $\alpha_{1B}$  calcium channel antibody recognizes a 55 kDa band by western blot.

### Related Products

Specificity	Quantity	Cat#
rabbit anti $\beta_3$ calcium channel	100 ug	X1036

### References

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

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