

Cacnb2 monoclonal antibody, clone S8b-1

Catalog # MAB7895

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of Kcnt1.
Immunogen	A synthetic peptide corresponding to amino acids 189-205 of rat Kcnt1.
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1-10 ug/mL) Immunohistochemistry (0.1-1.0 ug/mL) Immunocytochemistry (0.1-1.0 ug/mL) Immunofluorescence (1-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

Gene Info — Cacnb2

Entrez GeneID	116600
Protein Accession#	NP_446303
Gene Name	Cacnb2
Gene Alias	Cacnb2
Gene Description	calcium channel, voltage-dependent, beta 2 subunit
Gene Ontology	Hyperlink
Gene Summary	voltage-dependent
Other Designations	-

Publication Reference

- [Facilitation versus depression in cultured hippocampal neurons determined by targeting of Ca²⁺ channel Cavbeta4 versus Cavbeta2 subunits to synaptic terminals.](#)

Xie M, Li X, Han J, Vogt DL, Wittemann S, Mark MD, Herlitze S.

The Journal of Cell Biology 2007 Jul; 178(3):489.

- [Beta subunits of voltage-gated calcium channels.](#)

Dolphin AC.

Journal of Bioenergetics and Biomembranes 2003 Dec; 35(6):599.

Application: IF, Dog, Monkey, COS-7, MDCK cells

- [The I-II loop of the Ca²⁺ channel alpha1 subunit contains an endoplasmic reticulum retention signal antagonized by the beta subunit.](#)

Bichet D, Cornet V, Geib S, Carlier E, Volsen S, Hoshi T, Mori Y, De Waard M.

Neuron 2000 Jan; 25(1):177.