



Mouse anti-Rat *Kcnip1* monoclonal antibody, clone T66-93 (CABT-B10498)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is specific to <i>Kcnip1</i> .
Immunogen	Recombinant protein corresponding to full length of rat <i>Kcnip1</i> .
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Rat
Clone	T66-93
Conjugate	Unconjugated
Applications	WB, IHC, IP
Format	Liquid
Buffer	In PBS, pH7.4 (50% glycerol, 0.09% sodium azide)
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the family of cytosolic voltage-gated potassium (K _v) channel-interacting proteins (KCNIPs), which belong to the neuronal calcium sensor (NCS) family of the calcium binding EF-hand proteins. They associate with K _v 4 alpha subunits to form native K _v 4 channel complexes. The encoded protein may regulate rapidly inactivating (A-type) currents, and hence neuronal membrane excitability, in response to changes in the concentration of
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intracellular calcium. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Keywords KCNIP1; Kv channel interacting protein 1; VABP; KCHIP1; Kv channel-interacting protein 1; vesicle APC-binding protein; potassium channel interacting protein 1; A-type potassium channel modulatory protein 1;

GENE INFORMATION

Entrez Gene ID [30820](#)

UniProt ID [Q9NZI2](#)

Function calcium ion binding; ion channel activity; potassium channel regulator activity; protein N-terminus binding; protein binding; protein heterodimerization activity; voltage-gated ion channel activity;