



Mouse anti-Rat Kcnp1 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 Kcnp1.
Immunogen	Recombinant protein corresponding to full length of rat Kcnp1.
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 (Kv) channel-interacting proteins (KCNIPs), which belong to the neuronal calcium sensor (NCS) family of the calcium binding EF-hand proteins. They associate with Kv4 alpha subunits to form native Kv4 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;
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GENE INFORMATION

Entrez Gene ID	30820
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UniProt ID	Q9NZI2
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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;
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