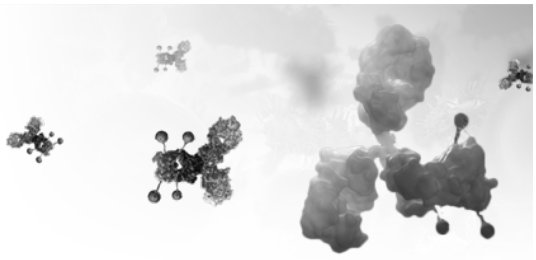

Mouse anti-Human KCNIP1 monoclonal antibody, clone 4E0 (CABT-B10499)

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

PRODUCT INFORMATION

Immunogen	KCNIP1 (AAH50375, 1 a.a. ~ 217 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4E0
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MGAVMGTFSSLQTKQRRPSKDKIEDELEMTMVCHRPEGLEQLEAQTNFTKRELQVLYRGF KNECPSGVVNEDTFKQIYAQFFPHGDASTYAHYLFNAFDTTQTGSVKFEDFVTALSILLR GTVHEKLRWTFNLYDINKDGYINKEEMMDIVKAIYDMMGKYTYPVLKEDTPRQHVDVFFQ KMDKNKDGIVTLDEFLESCQEDDNIMRSLQLFQNVM*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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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 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

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