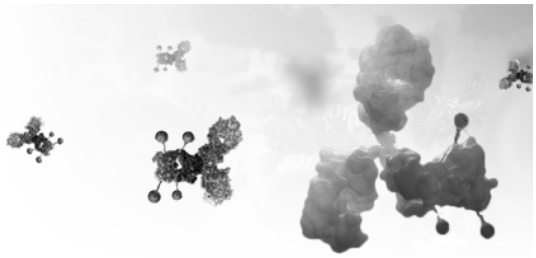

Mouse anti-Human KCNIP4 monoclonal antibody, clone 2B22 (CABT-B10502)

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

PRODUCT INFORMATION

Immunogen	KCNIP4 (AAH32520, 1 a.a. ~ 251 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2B22
Conjugate	Unconjugated
Applications	WB,IF,ELISA
Sequence Similarities	MNVRRVESISAQLEEASSTGGFLYAQNSTKRSIKERLMKLLPCSAAKTSSPAIQNSVEDE LEMATVRHRPEALELLEAQSKFTKKELQILYRGFKNECPSGVVNEETFKEIYSQFFPQGD STTYAHFLFNAFDTDHNGAVSFEDFIKGLSILLRGTVQEKLNWAFNLYDINKDGYITKEE MLDIMKAIYDMMGKCTYPVLKEDAPRQHVETFFQKMDKNKDGVVTIDEFIESCQKDENIM RSMQLFENVI*
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 voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein member also interacts with presenilin. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Keywords	KCNIP4; Kv channel interacting protein 4; CALP; KCHIP4; Kv channel-interacting protein 4; calsenilin-like protein; potassium channel interacting protein 4; potassium channel-interacting protein 4; a-type potassium channel modulatory protein 4;

GENE INFORMATION

Entrez Gene ID	80333
UniProt ID	Q3YAB9
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem
Function	calcium ion binding; ion channel activity; potassium channel activity; protein binding; voltage-gated ion channel activity

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