



Mouse anti-Human KCNIP2 monoclonal antibody, clone 4F8 (CABT-B10501)

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

PRODUCT INFORMATION

Immunogen	KCNIP2 (AAH34685,2a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4F8
Conjugate	Unconjugated
Applications	WB, IHC, ELISA, RNAi Knockdown
Sequence Similarities	MRQQGRKESLSDSRDLDGSYDQLTGHPPGPTKKALKQRFLKLLPCCGPQALPSVSENSVD DEFELSTVCHRPEGLEQLQEQTKFTRKELQVLYRGFKNEC
Format	Liquid
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the family of voltage-gated potassium (K ^v) channel-interacting proteins (KCNIPs), which belongs 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
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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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified from this gene. [provided by RefSeq, Jul 2008]

Keywords	KCNIP2; Kv channel interacting protein 2; KCHIP2; Kv channel-interacting protein 2; potassium channel-interacting protein 2; A-type potassium channel modulatory protein 2; cardiac voltage-gated potassium channel modulatory subunit;
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GENE INFORMATION

Entrez Gene ID	30819
UniProt ID	Q9NS61
Function	A-type (transient outward) potassium channel activity; ER retention sequence binding; calcium ion binding; identical protein binding; potassium channel activity; protein N-terminus binding; protein binding; voltage-gated ion channel activity;
