

ARG11173 anti-KCNIP4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KCNIP4
Tested Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNIP4
Species	Mouse
Immunogen	A synthetic peptide (KTSSPAIQNSV) derived from the amino sequence acid residue 45-57 of mouse Kchip4, conjugated with KLH for immunization.
Conjugation	Un-conjugated
Alternate Names	KCNIP4; Potassium Voltage-Gated Channel Interacting Protein 4; KCHIP4; CALP; A-Type Potassium Channel Modulatory Protein 4; Kv Channel Interacting Protein 4; Kv Channel-Interacting Protein 4; Calsenilin-Like Protein; MGC44947; Potassium Channel-Interacting Protein 4; KCHIP4

Application Instructions

Application table	Application	Dilution
	WB	1:4000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.4)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KCNIP4
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Gene Full Name	Potassium Voltage-Gated Channel Interacting Protein 4
Background	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]
Function	Isoform 4 retains KCND3 in the endoplasmic reticulum and negatively regulates its expression at the cell membrane. [UniProt]
Calculated Mw	29 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane, Cytoplasm, Endoplasmic reticulum, Membrane, Peroxisome. [UniProt]