KCNIP4 rabbit monoclonal antibody

Catalog # H00080333-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human KCNIP4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human KCNIP4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human KCNIP4 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — KCNIP4

Entrez GeneID	80333
GeneBank Accession#	KCNIP4
Gene Name	KCNIP4
Gene Alias	CALP, KCHIP4, MGC44947
Gene Description	Kv channel interacting protein 4
Omim ID	608182
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000158705|a-type potassium channel modulatory protein 4|calsenilin-like protein|potassium channel interacting protein 4|potassium channel-interacting protein 4

Disease

- Brain Ischemia
- Celiac Disease
- Drug-Induced Liver Injury
- Genetic Predisposition to Disease
- Stroke
- Tobacco Use Disorder