

KChIP1 Polyclonal Antibody

Catalog # AP63697

Product Information

Application	IHC-P
Primary Accession	Q9NZI2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26817

Additional Information

Gene ID	30820
Other Names	KCNIP1; KCHIP1; VABP; Kv channel-interacting protein 1; KChIP1; A-type potassium channel modulatory protein 1; Potassium channel-interacting protein 1; Vesicle APC-binding protein
Dilution	IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

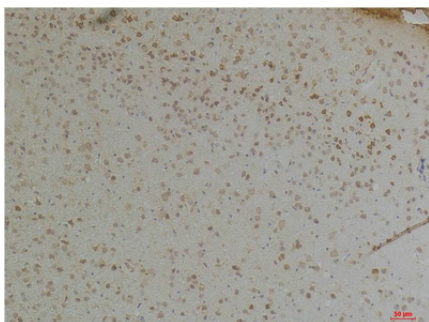
Protein Information

Name	KCNIP1 (HGNC:15521)
Function	Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels (PubMed: 10676964 , PubMed: 11423117 , PubMed: 17187064 , PubMed: 34552243 , PubMed: 34997220). Regulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner (PubMed: 10676964 , PubMed: 11423117 , PubMed: 17187064 , PubMed: 34552243 , PubMed: 34997220). In vitro, modulates KCND1/Kv4.1 and KCND2/Kv4.2 currents (PubMed: 34552243). Increases the presence of KCND2 at the cell surface (PubMed: 12829703).
Cellular Location	Cell membrane; Peripheral membrane protein. Cytoplasm. Cell projection, dendrite {ECO:0000250 UniProtKB:Q8R426}
Tissue Location	Isoform 1 and isoform 2 are expressed in brain and kidney. Isoform 1 is also expressed in liver, pancreas, skeletal muscle, small intestine and testis. Isoform 2 is also expressed in lung, pancreas, leukocytes, prostate and thymus

Background

Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Regulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. In vitro, modulates KCND1/Kv4.1 and KCND2/Kv4.2 currents. Increases the presence of KCND2 at the cell surface.

Images



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using KChIP1 Rabbit pAb diluted at 1:200.

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