

**KChIP1 Polyclonal Antibody**  
**Catalog # AP63697****Specification****KChIP1 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q9NZI2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

**KChIP1 Polyclonal Antibody - Additional Information****Gene ID** 30820**Other Names**

KCNIPI; 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

**KChIP1 Polyclonal Antibody - Protein Information****Name** KCNIPI ([HGNC:15521](#))**Function**

Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels (PubMed:<a href="http://www.uniprot.org/citations/10676964" target="\_blank">10676964</a>, PubMed:<a href="http://www.uniprot.org/citations/11423117" target="\_blank">11423117</a>, PubMed:<a href="http://www.uniprot.org/citations/17187064" target="\_blank">17187064</a>, PubMed:<a href="http://www.uniprot.org/citations/34552243" target="\_blank">34552243</a>, PubMed:<a href="http://www.uniprot.org/citations/34997220" target="\_blank">34997220</a>). Regulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner (PubMed:<a href="http://www.uniprot.org/citations/10676964" target="\_blank">10676964</a>, PubMed:<a href="http://www.uniprot.org/citations/11423117" target="\_blank">11423117</a>, PubMed:<a href="http://www.uniprot.org/citations/17187064" target="\_blank">17187064</a>, PubMed:<a href="http://www.uniprot.org/citations/34552243" target="\_blank">34552243</a>, PubMed:<a href="http://www.uniprot.org/citations/34997220" target="\_blank">34997220</a>). In vitro, modulates KCND1/Kv4.1 and KCND2/Kv4.2 currents (PubMed:<a href="http://www.uniprot.org/citations/34552243" target="\_blank">34552243</a>). Increases

the presence of KCND2 at the cell surface (PubMed:<a href="http://www.uniprot.org/citations/12829703" target="\_blank">12829703</a>).

#### Cellular Location

Cell membrane; Peripheral membrane protein. Cytoplasm. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8R426}

#### Tissue Location

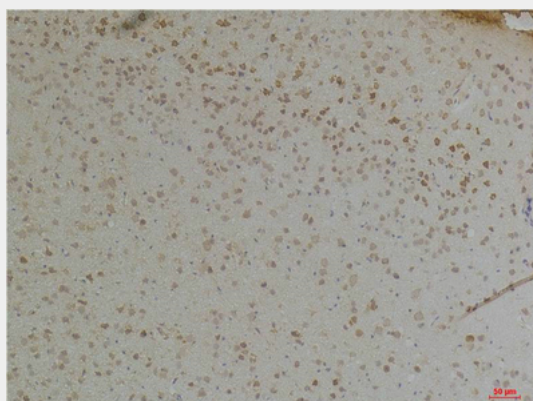
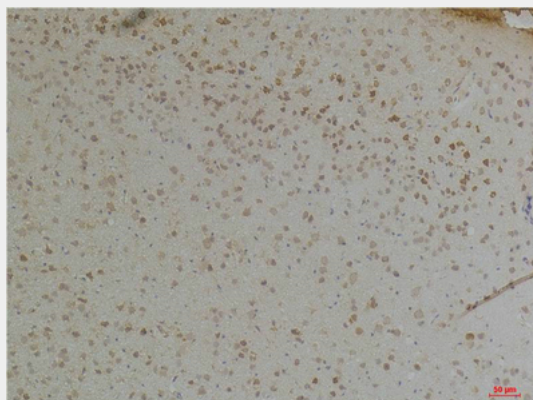
Isoform 1 and isoform 2 are expressed in brain and kidney. Isoform 1 is also expressed in liver, pancreas, skeletal muscle, small intestine and testis. Isoform 2 is also expressed in lung, pancreas, leukocytes, prostate and thymus

### KCHIP1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### KCHIP1 Polyclonal Antibody - Images



### **KChIP1 Polyclonal Antibody - 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.