

## Anti-KChIP1 antibody

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<b>Description</b>	Rabbit polyclonal to KChIP1.
<b>Model</b>	STJ93817
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IF, IHC
<b>Immunogen</b>	Synthesized peptide derived from human KChIP1
<b>Immunogen Region</b>	1-80 aa, N-terminal
<b>Gene ID</b>	<a href="#">30820</a>
<b>Gene Symbol</b>	<a href="#">KCNIPI</a>
<b>Dilution range</b>	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
<b>Specificity</b>	KChIP1 Polyclonal Antibody detects endogenous levels of KChIP1 protein.
<b>Tissue Specificity</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Kv channel-interacting protein 1 KChIP1 A-type potassium channel modulatory protein 1 Potassium channel-interacting protein 1 Vesicle APC-binding protein

<b>Molecular Weight</b>	26.817 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:15521</a> <a href="#">OMIM:604660</a>
<b>Alternative Names</b>	Kv channel-interacting protein 1 KChIP1 A-type potassium channel modulatory protein 1 Potassium channel-interacting protein 1 Vesicle APC-binding protein
<b>Function</b>	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.
<b>Cellular Localization</b>	Cell membrane Cytoplasm Cell projection, dendrite

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