Anti-KChIP1 antibody

Description	Rabbit polyclonal to KChIP1.

Model	STJ93817
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human KChIP1
Immunogen Region	1-80 aa, N-terminal
Gene ID	30820
Gene Symbol	KCNIP1
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	KChIP1 Polyclonal Antibody detects endogenous levels of KChIP1 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Kv channel-interacting protein 1 KChIP1 A-type potassium channel modulatory protein 1 Potassium channel-interacting protein 1 Vesicle APC-binding protein

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