

Product datasheet for **AP26424AF-L**

Kcnp1 (12-22) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Dilute the antibody approx. 1:300,000 for detection of Kchip1 peptide (QTKQRRPSKDK) coated on ELISA plate. Western blot: Dilute approx. 1:4,000 to detect the 27kDa Kchip1 in mouse brain extract.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from the amino sequence amino acid 12-22 of mouse Kchip1, conjugated with KLH
Specificity:	This antibody is reactive to the 27kDa Kchip1 in Mouse and other species with consensus Kchip1 sequence.
Formulation:	0.01M PBS, pH 7.4 State: Azide Free State: Lyophilized Ig fraction
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml.
Purification:	Protein G affinity
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Kv channel-interacting protein 1
Database Link:	Entrez Gene 70357 Mouse Q9JJ57



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Background:

KCHIP1 is an important member of the potassium channel interacting protein family. It binds to and influences the voltage gated potassium (Kv) channel. Like all other members in the family, KCHIP1 has calcium binding domains (EF-hand-like) that sense calcium concentrations to regulate Kv channel. KCHIP1 frequently forms complex with the rapid inactivating A-type Kv channels. It may play a role in modulating somatodendritic excitability, and the repolarization of cardiac myocytes following action potential. It is also reported that KCHIP1 is associated with the GABAergic synapses in hippocampus.

Synonyms:

KCHIP1

Product images:

Western blot analysis of extracts from mouse brain using anti-kchip1 rabbit whole antiserum.