



Rabbit Anti-Mouse Kchip1 Polyclonal Antibody Datasheet

Product Name: pAb Rabbit anti-Mouse Kchip1

Catalogue No.: AI80007

Quantity: 0.1 mg/vial

Description: Rabbit anti-Mouse cytosolic K⁺ channel-interacting protein1 (Kchip1) polyclonal antibody

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Kchip1

Immunogen: A synthetic peptide (QTKQRRPSKDK) derived from the amino acid residue 12-22 of mouse Kchip1, conjugated with KLH for immunization.

Specificity: This antibody is reactive to the 27kDa Kchip1 in mouse brain extract on Western blot.

Species Reactivity: Mouse and other species with consensus Kchip1 sequence (QTKQRRPSKDK)

Host: Rabbit

Formulation: Lyophilized in pH 7.4, 0.01M PBS

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00 mg/mL.

Storage: Store at -20°C

Research Area: Life science research, stem cell factor signalling, cancer research

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.

Applications:

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 on Western blot.

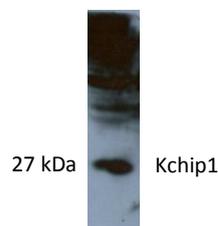


Fig. 1 Western blot analysis of extracts from mouse brain using anti-kchip1 rabbit whole antiserum.

References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.