



Rabbit Anti-Mouse Kv4.3 Polyclonal Antibody Datasheet

Product Name: pAb Rabbit anti-Mouse Kv4.3

Catalogue No.: AI80010A

Quantity: 0.1 mg/vial

Description: Rabbit anti-mouse voltage-gated potassium channel (Kv) 4.3 polyclonal antibody

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Voltage-gated potassium channel Kv4.3

Immunogen: A synthetic peptide (RTTLERYPDT) corresponding to amino acid 55-64 of mouse voltage-gated potassium channel Kv4.3, conjugated with KLH for immunization.

Specificity: This antibody is reactive to the 74kDa mouse Kv4.3 in mouse brain tissue extract on Western blot.

Species Reactivity: Mouse and other species with consensus Kv4.3 sequence (RTTLERYPDT)

Host: Rabbit

Formulation: Lyophilized in pH 7.4, 0.01M PBS.

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

Storage: Store at -20°C

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

Background: Kv4.3 is a member of the voltage-gated potassium channel family. Kv4.3 forms complex with K channel interacting protein and regulates the transient potassium efflux and repolarization in cardiac myocytes. Kv4.3 is highly expressed in brain tissue. It is a member of the rapid inactivating A-type Kv channel subfamily and is encoded by KCND3 gene in human. There are two isoforms of this protein with different sizes resulted from alternative splicing.

Applications: **ELISA:** Dilute the antibody 1:500,000 for detection of the peptide coated on ELISA plate.

Western blot: Dilute approx. 1:5,000 for Western blotting to detect the 74kDa mouse Kv4.3 in mouse brain tissue extract.



Fig.1 Western blot analysis of extracts from mouse brain using anti-KV4.3 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.

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