

DATASHEET

Kv6.4 Rabbit Polyclonal Antibody

CAT. NO. APA15957

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------------|
| Target | Kv6.4 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at-20°C |

BACKGROUND

Regulatory subunit of the voltage-gated potassium (Kv) channel which, when coassembled with KCNB1, modulates the kinetics parameters of the heterotetrameric channel namely the time course of activation, deactivation and inactivation and on the voltage-dependence of activation channel which, when coassembled with KCNB1, modulates the kinetics parameters of the heterotetrameric channel namely the time course of activation, deactivation and inactivation and on the voltage-dependence of activation . Potassium channel subunit that does not form functional channels by itself (Probable) . Reduces the deactivation rate . Modulates the threshold for activation by shifting by approximately 20 mV in hyperpolarizing direction .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:2000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

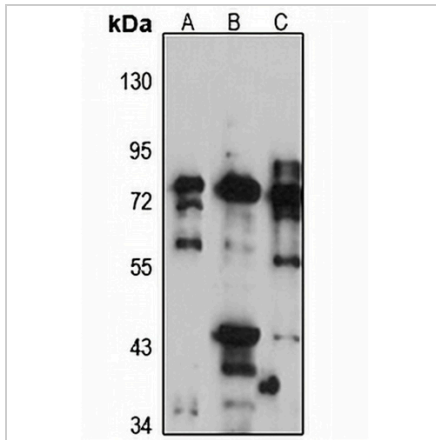
| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to Kv6.4 |
| Specificity | Recognizes endogenous levels of Kv6.4 protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human Kv6.4. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 29; Observed: 59 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | KCNG3; Potassium voltage-gated channel subfamily G member 4; Voltage-gated potassium channel subunit Kv6.4 |
| Gene Symbol | KCNG4 |
| Entrez Gene | 93107(Human); 66733(Mouse) |
| SwissProt | Q8TDN1(Human); Q80XM3(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Kv6.4 expression in HEK293T (A), mouse brain (B), rat testis (C) whole cell lysates. (Predicted band size: 29; 58 kD; Observed band size: 59 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.