DATASHEET

KCNE2 Rabbit Polyclonal Antibody

CAT. NO. APA14922

KEY FEATURES

Target	KCNE2	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

Ancillary protein that functions as a regulatory subunit of the voltage-gated potassium (Kv) channel complex composed of pore-forming and potassium-conducting alpha subunits and of regulatory beta subunits channel complex composed of pore-forming and potassium-conducting alpha subunits and of regulatory beta subunits . KCNE2 beta subunit modulates the gating kinetics and enhances stability of the channel complex . Alters the gating of the delayed rectifier Kv channel containing KCNB1 alpha subunit . Associates with KCNH2/HERG alpha subunit Kv channel to form the rapidly activating component of the delayed rectifying potassium current (IKr) in heart . May associate with KCNQ2 and/or KCNQ3 alpha subunits to modulate the native M-type current .

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 KCNE2
Specificity	Recognizes endogenous levels of KCNE2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human KCNE2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 14 kD; Observed: 15 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	Potassium voltage-gated channel subfamily E member 2; MinK-related peptide 1; Minimum potassium ion channel-related peptide 1; Potassium channel subunit beta MiRP1
Gene Symbol	KCNE2
Entrez Gene	9992(Human); 246133(Mouse); 171138(Rat)
SwissProt	Q9Y6J6(Human); Q9D808(Mouse); P63161(Rat)

*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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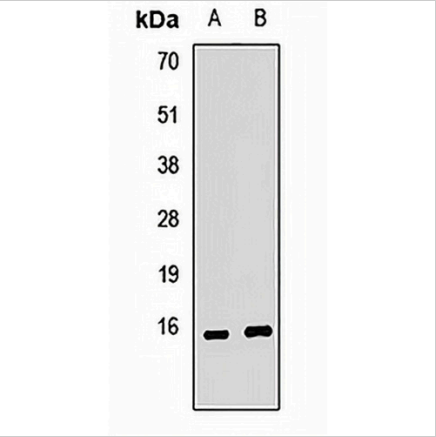
DATA



Western blot analysis of KCNE2 expression in HEK293T (A), mouse stomach (B) whole cell lysates. (Predicted band size: 14 kD; Observed band size: 15 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.