

DATASHEET

Kv4.3 Rabbit Polyclonal Antibody

CAT. NO. APA13012

KEY FEATURES

Target	Kv4.3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	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

Pore-forming (alpha) subunit of voltage-gated A-type potassium channels that mediates transmembrane potassium transport in excitable membranes, in brain and heart subunit of voltage-gated A-type potassium channels that mediates transmembrane potassium transport in excitable membranes, in brain and heart . In cardiomyocytes, may generate the transient outward potassium current I(To) . In neurons, may conduct the transient subthreshold somatodendritic A-type potassium current (ISA) . Kinetics properties are characterized by fast activation at subthreshold membrane potentials, rapid inactivation, and quick recovery from inactivation . Channel properties are modulated by interactions with regulatory subunits .

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
IHC	1:50 - 1:200

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Kv4.3
Specificity	Recognizes endogenous levels of Kv4.3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Kv4.3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 71; Observed: 73 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 D member 3; Voltage-gated potassium channel subunit Kv4.3
Gene Symbol	KCND3
Entrez Gene	3752(Human); 56543(Mouse); 65195(Rat)
SwissProt	Q9UK17(Human); Q9Z0V1(Mouse); Q62897(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.

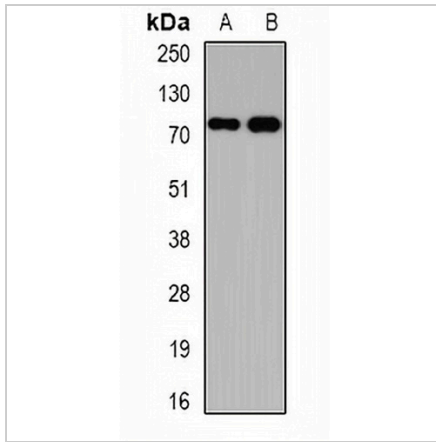
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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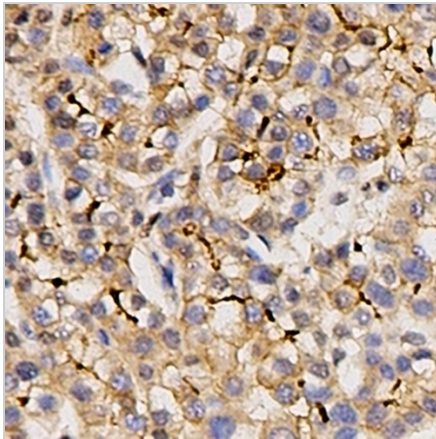
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Western blot analysis of Kv4.3 expression in mouse brain (A), rat liver (B) whole cell lysates. (Predicted band size: 71; 73 kD; Observed band size: 73 kD)



Immunohistochemical analysis of Kv4.3 staining in human pancreas formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.