

ARG20564 anti-Kv4.3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Kv4.3
Tested Reactivity	Ms
Tested Application	WB
Specificity	This antibody is reactive to the 74 kDa mouse Kv4.3 in mouse brain tissue extract on Western blot.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Kv4.3
Species	Mouse
Immunogen	KLH-conjugated synthetic peptide around aa. 55-64 of Mouse voltage-gated potassium channel Kv4.3. (RTTLERYPDT)
Conjugation	Un-conjugated
Alternate Names	Kv4.3; KV4.3; Potassium voltage-gated channel subfamily D member 3; Kncd3; AW045978; KCND3S; BRGDA9; SCA19; KSHIVB; SCA22; Voltage-gated potassium channel subunit Kv4.3; KCND3L

Properties

Form	Powder
Purification	Purification with Protein G.
Buffer	Lyophilized in 0.01M PBS (pH 7.4)
Reconstitution	100 µl of double distilled water is recommended to adjust the final concentration to 1.0 mg/ml.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 56543 Mouse Swiss-port # Q9Z0V1 Mouse
Gene Symbol	Kncd3
Gene Full Name	potassium voltage-gated channel, Shal-related family, member 3
Background	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte

transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene. [provided by RefSeq, Jul 2008]

Function	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Neuroscience antibody
Calculated Mw	73 kDa
PTM	Regulated through phosphorylation at Ser-569 by CaMK2D.

Images



KV4.3 (74kDa)

ARG20564 anti-Kv4.3 antibody WB image

Western blot: extracts from Mouse brain stained with ARG20564 anti-Kv4.3 antibody.