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ARG66452
anti-KCNC4 / Kv3.4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KCNC4 / Kv3.4
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNC4 / Kv3.4
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the N-terminal region of Human KCNC4 / Kv3.4.
Conjugation	Un-conjugated
Alternate Names	C1orf30; KSHIIIC; Potassium voltage-gated channel subfamily C member 4; HKSHIIIC; Voltage-gated potassium channel subunit Kv3.4; KV3.4

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

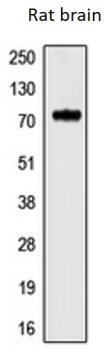
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
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. 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

Gene Symbol	KCNC4
Gene Full Name	potassium channel, voltage gated Shaw related subfamily C, member 4
Background	The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. It generates atypical voltage-dependent transient current that may be important for neuronal excitability. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]
Function	This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. [UniProt]
Calculated Mw	70 kDa
PTM	Phosphorylation of serine residues in the inactivation gate inhibits rapid channel closure. [UniProt]
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



ARG66452 anti-KCNC4 / Kv3.4 antibody WB image

Western blot: Rat brain whole cell lysate stained with ARG66452 anti-KCNC4 / Kv3.4 antibody.