

ARG64817 anti-KCNJ1 / ROMK antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes KCNJ1 / ROMK
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognize reported isoforms NP_722449.2 and NP_000211. The following reported variants represent identical protein: NP_722451.1, NP_722449.2, NP_722450.1, NP_722448.1.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNJ1 / ROMK
Species	Human
Immunogen	C-DQININFVVDAGNEN
Conjugation	Un-conjugated
Alternate Names	ATP-sensitive inward rectifier potassium channel 1; KIR1.1; Inward rectifier K; Potassium channel, inwardly rectifying subfamily J member 1; ROMK; ATP-regulated potassium channel ROM-K; ROMK1

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

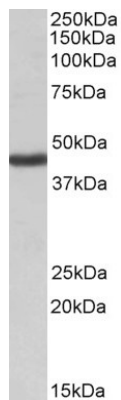
Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage 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: 3758 Human Swiss-port # P48048 Human
Background	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	45 kDa
PTM	Phosphorylation at Ser-44 by SGK1 is necessary for its expression at the cell membrane.

Images



ARG64817 anti-KCNJ1 / ROMK antibody WB image

Western Blot: Human Kidney lysate (35 µg protein in RIPA buffer) stained with ARG64817 anti-KCNJ1 / ROMK antibody at 1 µg/ml dilution.