

ROMK/Kir1.1 Antibody | anti-ROMK/Kir1.1 antibody

ROMK/Kir1.1 (Phospho-Ser44/25)Antibody

CATALOG # AAA267604	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
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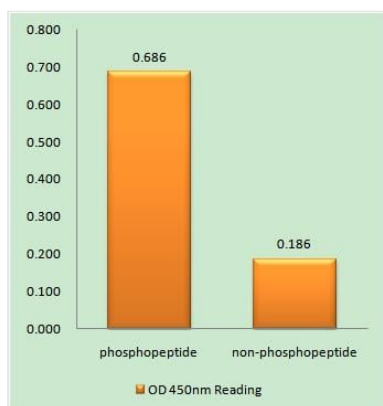
PRODUCT SYNONYMS

ROMK/Kir1.1; ROMK/Kir1.1 (Phospho-Ser44/25)Antibody; ATP-regulated potassium channel ROM-K; ATP-sensitive inward rectifier potassium channel 1; IRK1; KAB-1; KCNJ1; Kir1.1; Potassium channel; inwardly rectifying; subfamily J; member 1; ROMK1; anti-ROMK/Kir1.1 antibody

PRODUCT SPECIFICATIONS

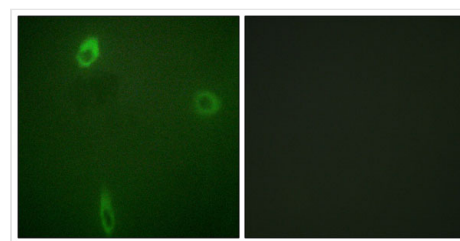
Reactivity	Human, Mouse, Rat
Specificity	ROMK/Kir1.1 (Phospho-Ser44/25) antibody detects endogenous levels of ROMK/Kir1.1 only when phosphorylated at serine 44/25.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	391
Applicable Applications for anti-ROMK/Kir1.1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ROMK/Kir1.1 around the phosphorylation site of serine 44/25 (L-V-SP-K-D).
All Sites	Human: Ser44 Mouse: Ser25 Rat: Ser44
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



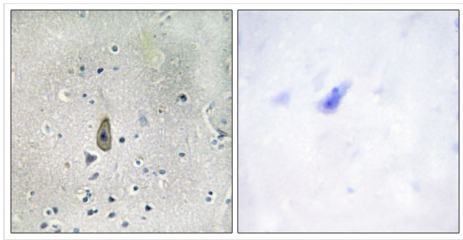
IF (Immunofluorescence)

ROMK/Kir1.1 (Phospho-Ser44/25) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.



IHC (Immunohistochemistry)

P-peptide+ Immunohistochemistry analysis of paraffin-embedded human brain tissue using ROMK/Kir1.1 (Phospho-Ser44/25) antibody. Immunofluorescence analysis of A549 cells, using ROMK/Kir1.1 (Phospho-Ser44/25) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

References	DW Lundgren, Proc. Soc. Exp. Biol. Med., Oct 1997; 216: 57. Dana Yoo, J. Biol. Chem., Jun 2003; 278: 23066-23075. W. S. Lee, Am J Physiol Renal Physiol, Jun 1995; 268: 1124.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504837
NCBI GeneID	3758
NCBI Accession #	NP_000211.1
NCBI GenBank Nucleotide #	NM_000220.4
UniProt Accession #	P48048; Q6LD67; B2RMR4
Molecular Weight	44,611 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 1 isoform a
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 1
NCBI Official Symbol	KCNJ1
NCBI Official Synonym Symbols	ROMK; ROMK1; KIR1.1
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 1
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 1
UniProt Gene Name	KCNJ1
UniProt Synonym Gene Names	ROMK1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/romk-kir1-1/267604>