

Rabbit anti-Human ROMK1 Polyclonal Antibody | anti-ROMK1 antibody

Anti-ROMK1 (Phospho-S44) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265120	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ROMK1; Polyclonal Antibody; Anti-ROMK1 (Phospho-S44) Antibody; anti-ROMK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of ROMK1 protein only when phosphorylated at S44.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-ROMK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S44 of human ROMK1 protein. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



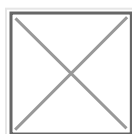
IF (Immunofluorescence)

Immunofluorescent analysis of ROMK1 (Phospho-S44) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of ROMK1 (Phospho-S44) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (Phospho-H 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.



WB (Western Blot)

Western blot analysis of ROMK1 (Phospho-S44) expression in HEK293T (A), H446 (B), H1688 (C) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 45 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-ROMK1 antibody	Rabbit polyclonal antibody to ROMK1 (Phospho-S44)
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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	44,795 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 1 isoform a
NCBI Official Synonym Full Names	potassium inwardly-rectifying 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; inwardly rectifying K ⁺ channel; inward rectifier K(+) channel Kir1.1; ATP-regulated potassium channel ROM-K; potassium channel, inwardly rectifying subfamily J member 1
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 1
UniProt Gene Name	KCNJ1
UniProt Synonym Gene Names	ROMK1
UniProt Entry Name	IRK1_HUMAN

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/polyclonal/romk1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/265120>