

## ROM-K(Phospho Ser44) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP13883
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ROMK/Kir1.1 around the phosphorylation site of Ser44/25. AA range:11-60
<b>Mol wt</b>	44795
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	ATP-sensitive inward rectifier potassium channel 1
<b>Synonyms</b>	ATP-sensitive inward rectifier potassium channel 1; KCNJ1; ROMK1; ATP-sensitive inward rectifier potassium channel 1; ATP-regulated potassium channel ROM-K; Inward rectifier K <sub>+</sub> channel Kir1.1; Potassium channel; inwardly rectifying subfamily J member 1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

### Recommended Dilution

IHC-p: 1: 100 - 1: 300

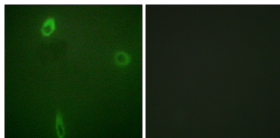
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

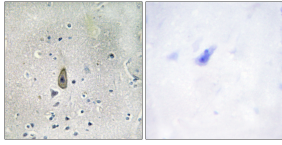
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Immunofluorescence analysis of A549 cells, using ROMK/Kir1.1 (Phospho-Ser44/25) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using ROMK/Kir1.1 (Phospho-Ser44/25) Antibody. The picture on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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