



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

E11-1121A

Catalog Number: E11-1121A

Concentration: 1mg/ml

Swiss-Prot No.: P48048

Other Names: 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

All Sites: Human: Ser44; Mouse: Ser25; Rat: Ser44

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered
saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl,
0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against
synthesized phosphopeptide derived from human
ROMK/Kir1.1 around the phosphorylation site of serine
44/25 (L-V-S^P-K-D).

Purification: The antibody was affinity-purified from
rabbit antiserum by affinity-chromatography using

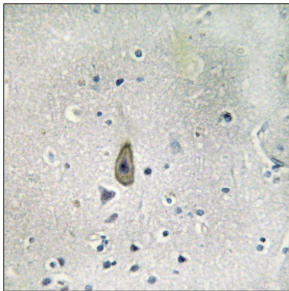
epitope-specific phosphopeptide. The antibody against
non-phosphopeptide was removed by chromatography
using non-phosphopeptide corresponding to the
phosphorylation site.

Specificity: ROMK/Kir1.1 (Phospho-Ser44/25) antibody
detects endogenous levels of ROMK/Kir1.1 only when
phosphorylated at serine 44/25.

Reactivity: Human (Identities = 100%, Positives =
100%); Mouse (Identities = 100%, Positives
= 100%);
Rat (Identities = 90%, Positives = 100%)

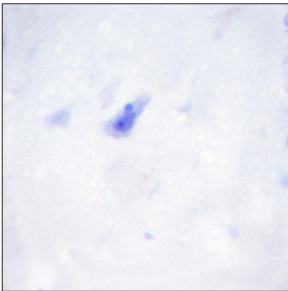
Applications: IHC: 1:50~1:100 IF: 1:100~1:500
ELISA: 1:5000

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.



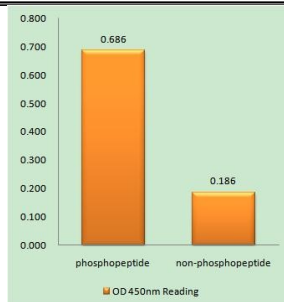
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded
human brain tissue using ROMK/Kir1.1
(Phospho-Ser44/25) antibody.



P-peptide - +

Immunofluorescence analysis of A549 cells, using
ROMK/Kir1.1 (Phospho-Ser44/25) antibody.



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.