Datasheet for ABIN1531698

anti-KCNJ1 antibody (pSer44)

2 Images

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Overview

Quantity:	100 µL
Target:	KCNJ1
Binding Specificity:	AA 11-60, pSer44
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human ROMK/Kir1.1 around the phosphorylation site of Ser44/25.
Isotype:	IgG
Specificity:	ROMK/Kir1.1 (Phospho-Ser44/25) Antibody detects endogenous levels of ROMK/Kir1.1 only when phosphorylated at Ser44/25. PhosphorylationH:S44 M:S25 R:S44
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

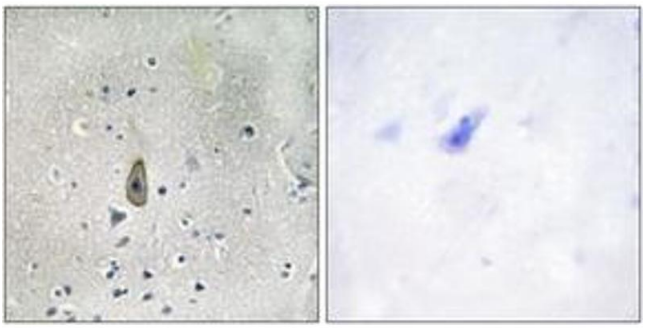
Target:	KCNJ1
Alternative Name:	ROMK/Kir1.1 (KCNJ1 Products)
Background:	Synonyms: ATP-regulated potassium channel ROM-K, ATP-sensitive inward rectifier potassium channel 1, IRK1, KAB-1, KCNJ1, Kir1.1, Potassium channel, inwardly rectifying subfamily J member 1 , ROMK1 NCBI Gene Symbol: KCNJ1
Molecular Weight:	44 kDa
Gene ID:	3758
OMIM:	241200
UniProt:	P48048

Application Details

Application Notes:	IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000
Comment:	Unigene-Number: Hs.527830 (NCBI Gene Symbol: KCNJ1)
Restrictions:	For Research Use only

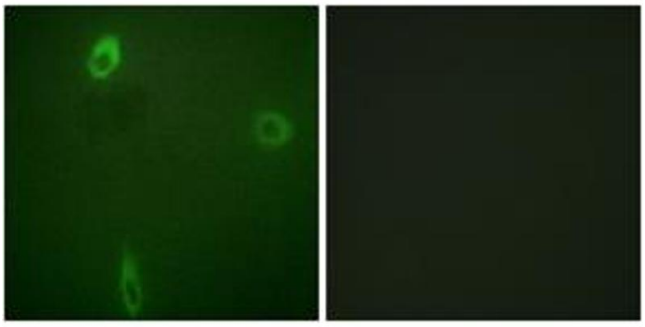
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

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



Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cells, using ROMK/Kir1.1 (Phospho-Ser44/25) Antibody. The picture on the right is treated with the synthesized peptide.

