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EB09130 - Goat Anti-KCNJ1 / ROMK Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: KCNJ1, potassium inwardly-rectifying channel, subfamily J, member 1, KIR1.1, ROMK, ROMK1, ATP-regulated potassium channel ROM-K, ATP-sensitive inward rectifier potassium channel 1, OTTHUMP00000045938, inwardly rectifying K+ channel, potassium inwardly-rectifying channel J1
Official Symbol: KCNJ1
Accession Number(s): NP_000211.1; NP_722448.1
Human GeneID(s): 3758
Non-Human GeneID(s): 56379 (mouse), 24521 (rat)
Important Comments: This antibody is expected to recognize reported isoforms NP_722449.2 and NP_000211. The following reported variants represent identical protein: NP_722451.1, NP_722449.2, NP_722450.1, NP_722448.1.

Immunogen

Peptide with sequence C-DQININFVVDAGNEN , from the internal region of the protein sequence according to NP_000211.1; NP_722448.1.

Please note the peptide is available for sale.

Purification and Storage

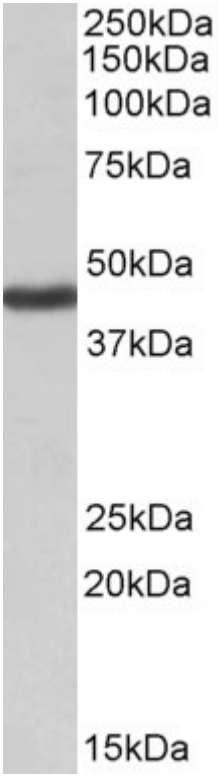
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx. 45kDa band observed in Human Kidney lysates (calculated MW of 44.8kDa according to NP_000211.1). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human



EB09130 (1µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.