

Goat anti-KCNJ1 / ROMK Antibody

Item Number	dAP-1712
Target Molecule	Principle Name: KCNJ1 / ROMK; Official Symbol: KCNJ1; All Names and Symbols: 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; OTTHUMP0000045938; inwardly rectifying K ⁺ channel; potassium inwardly-rec; Accession Number (s): NP_000211.1; NP_722448.1; Human Gene ID(s): 3758; Non-Human GeneID(s): 56379 (mouse) 24521 (rat)
Immunogen	DQININFVVDAGNEN , is from internal region 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.
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	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.
IHC	
Reference	Reference(s): Ji W, Foo JN, O'Roak BJ, Zhao H, Larson MG, Simon DB, Newton-Cheh C, State MW, Levy D, Lifton RP. Rare independent mutations in renal salt handling genes contribute to blood pressure variation. <i>Nat. Genet.</i> 2008 May 40 (5): 592-9..PMID: 18391953->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**