ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-Kcnj11 / Kir6.2 Antibody

Item Number	dAP-1318
Target Molecule	Principle Name: Kcnj11 / Kir6.2; Official Symbol: Kcnj11; All Names and Symbols: KCNJ11; Kir6.2; potassium inwardly-rectifying channel, subfamily J, member 11 ; mBIR; AI842722; AW491124; potassium inwardly rectifying channel, subfamily J, member 11; KATP; KATP channel; Accession Number (s): NP_034732.1; Human Gene ID(s): 3767; Non-Human GeneID(s): 16514 (mouse) 83535 (rat)
Immunogen	ERRARFVSKKGNC, is from internal region (near the N Terminus)
Applications	Pep ELISA, WB, IHC 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; Reconsititute 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 64000.
Western Blot	Western Blot: Approx 45kDa band observed in Human Skeletal Muscle lysates (calculated MW of 43.6kDa according to NP_034732.1). Recommended concentration: 0.01-0.03µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Pancreas shows variable staining across the islet of Langerhans. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Filosa JA, Bonev AD, Straub SV, Meredith AL, Wilkerson MK, Aldrich RW, Nelson MT. Local potassium signaling couples neuronal activity to vasodilation in the brain. Nat Neurosci. 2006 Nov;9 (11):1397-1403. .PMID: 17013381 ->

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 ender users! This product is sold for Research Use Only

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