

Goat anti-KCNN2 Antibody

Item Number	dAP-1967
Target Molecule	Principle Name: KCNN2; Official Symbol: KCNN2; All Names and Symbols: KCNN2; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2; KCa2.2; SK2; SKCA2; hSK2; apamin-sensitive small-conductance Ca ²⁺ -activated potassium channel; small conductance calcium-activated potassium channel protein ; Accession Number (s): NP_067627.2; NP_740721.1; Human Gene ID(s): 3781; Non-Human GeneID(s): 140492 (mouse) 54262 (rat)
Immunogen	ESYDKHVTYNAER, is from internal region This antibody is expected to recognize both isoforms (NP_067627.2; NP_740721.1).
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; 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 64000.
Western Blot	Western Blot: Approx 70kDa and 23kDa bands observed in Human Liver lysates (calculated MW of 63.8kDa according to NP_067627.2 and of 26.3kDa according to NP_740721.1). Recommended concentration: 0.3-1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows membranous staining in the epithelial cells. Recommended concentration, 1-2µg/ml.
Reference	Reference(s): Morimoto T, Ohya S, Hayashi H, Onozaki K, Imaizumi Y, Cell-cycle-dependent regulation of Ca ²⁺ -activated K ⁺ channel in Jurkat T-lymphocyte. Journal of pharmacological sciences 2007 May 104 (1): 94-8..PMID: 17452806->

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**