

## Goat anti-KCNB1 / DRK1 Antibody

<b>Item Number</b>	dAP-1225
<b>Target Molecule</b>	Principle Name: KCNB1 / DRK1; Official Symbol: KCNB1; All Names and Symbols: KCNB1; potassium voltage-gated channel, Shab-related subfamily, member 1; DRK1; KV2.1; h-DRK1; delayed rectifier potassium channel Kv2.1; h-DRK1 K channel; potassium channel protein DRK1; potassium voltage-gated channel subfamily B member 1; voltage-gated; Accession Number (s): NP_004966.1; Human Gene ID(s): 3745; Non-Human GeneID(s): 16500 (mouse) 25736 (rat)
<b>Immunogen</b>	HQYIDATDDEGQ, is from internal region
<b>Applications</b>	Pep ELISA  Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave a 100kDa band and additional stronger bands at approx 50kDa and 38kDa in Human Brain (Cerebellum) and Heart lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in t
<b>IHC</b>	
<b>Reference</b>	Reference(s): Park KS, Mohapatra DP, Misonou H, Trimmer JS. Graded regulation of the Kv2.1 potassium channel by variable phosphorylation. Science. 2006 Aug 18;313(5789):976-9..PMID: 16917065 ->

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**