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## **GOAT ANTI-KCNB1 / DRK1 ANTIBODY**

**SKU:** EB08061

## **SPECIFICATIONS**

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Unit Size** 100 μg

Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym / voltage-gated potassium channel|potassium voltage-gated channel subfamily B member 1|potassium channel

Alias protein DRK1|h-DRK1 K channel|delayed rectifier potassium channel Kv2.1|h-DRK1|KV2.1|DRK1|potassium voltage-

**Names** gated channel, Shab-related subfamily, member 1|KCNB1

Accession

NP 004966.1 ID

**Blocking** 

EBP08061 **Peptide** 

Peptide with sequence C-HQYIDADTDDEGQ, from the internal region of the protein sequence according to Immunogen

NP 004966.1.

**Peptide** 

C-HQYIDADTDDEGQ Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using

Method the immunizing peptide.

**Shipping** 

Refrigerated Instructions

**Predicted** 

**Species** 

Human, Mouse, Dog, Cow, Pig

Human

3745 Gene ID

Rat Gene ID 25736

Mouse

**Gene ID** 

16500

**Product** 

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring\_medium.png

Grade **ELISA** 

**Detection** 

Antibody detection limit dilution 1:4000.

Limit





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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 the literature for the extra bands we observe given the calculated size of 95.9kDa according to NP\_004966.1. Both detected extra bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Application Type

Pep-ELISA