

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08061 - Goat Anti-KCNB1 / DRK1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 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 potassium channel

**Official Symbol:** KCNB1

**Accession Number(s):** NP\_004966.1

**Human GeneID(s):** [3745](#)

**Non-Human GeneID(s):** 16500 (mouse), 25736 (rat)

### Immunogen

Peptide with sequence C-HQYIDADTDDEGQ, from the internal region of the protein sequence according to NP\_004966.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:4000.

**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?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Dog, Cow, Pig