



UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106
Ramona,
CA 92065
USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

**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