



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB08068 - Goat Anti-KCNQ4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** KCNQ4, potassium voltage-gated channel, KQT-like subfamily, member 4, DFNA2, KV7.4, potassium channel KQT-like 4, potassium voltage-gated channel KQT-like protein 4

**Official Symbol:** KCNQ4

**Accession Number(s):** NP\_004691.2; NP\_751895.1

**Human GeneID(s):** [9132](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_004691.2; NP\_751895.1); may cross-react in Mouse;

### Immunogen

Peptide with sequence C-DKGPSDAEVVDE, from the internal region of the protein sequence according to NP\_004691.2; NP\_751895.1.

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:** Approx 70kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 71.2kDa according to NP\_751895.1). Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB08068 (2µg/ml) staining of Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.