

International Office

Everest Biotech Ltd

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

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

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.