



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, United Kingdom

everestbiotech.com

sales@everestbiotech.com

support@everestbiotech.com

Tel +44 1869 238326

Fax +44 1869 238327

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB09213 - Goat Anti-KCNQ3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: potassium voltage-gated channel KQT-like protein 3, potassium channel, voltage-gated, subfamily Q, member 3, KV7.3, EBN2, BFNC2, potassium voltage-gated channel, KQT-like subfamily, member 3, KCNQ3

Official Symbol: KCNQ3

Accession Number(s): NP_004510.1

Human GeneID(s): [3786](#)

Non-Human GeneID(s): 110862 (mouse), 29682 (rat)

Immunogen

Peptide with sequence C-SDSVWTPSNKPI, from the C Terminus of the protein sequence according to NP_004510.1.

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 1:16000.

Western blot: Preliminary experiments gave an approx. 23kDa band in Human Brain (Cerebral Cortex, Amygdala, Hippocampus) lysates after 0.3µg/ml antibody staining. Please note that currently we can not find an explanation in the literature for the band we observe given the calculated size of 96.7kDa according to NP_004510.1. The 23kDa band was successfully blocked by incubation with the immunizing peptide. 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, Rat, Pig