



## UK Office

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

## EB09213 - Goat Anti-KCNQ3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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