

UK Office

Everest Biotech Ltd

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

Enquiries: info@everestbiotech.com Sales: <u>sales@everestbiotech.com</u> Tech support: <u>support@everestbiotech.com</u>

Tel: +44 (0)1869 238326

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10176 - Goat Anti-HCN3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: hyperpolarization activated cyclic nucleotide-gated potassium channel 3, KIAA1535, MGC131493, potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3, HCN3 Official Symbol: HCN3 Accession Number(s): NP_065948.1 Human GeneID(s): <u>57657</u> Non-Human GeneID(s): 15168 (mouse)

Immunogen

Peptide with sequence C-RGVRGRAPSTGAQ, from the internal region of the protein sequence according to NP_065948.1.

Please note the peptide is available for sale.

Purification and Storage

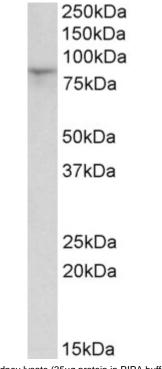
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000. **Western blot:** Approx 85kDa band observed in Rat Kidney lysates (calculated MW of 86.0kDa according to Human NP_065948.1 and 86.8kDa according to Rat NP_446137.1). Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Rat Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB10176 (1µg/ml) staining of Rat Kidney lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.