



## UK Office

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

## EB10175 - Goat Anti-HCN3 (aa 715-728) 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):** [57657](#)

**Non-Human GeneID(s):** 15168 (mouse), 114245 (rat)

### Immunogen

Peptide with sequence C-SQPSLPQRATGDGS, 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 1:8000.

**Western blot:** Approx 80kDa band observed in Mouse Brain lysates (calculated MW of 86.6kDa according to Mouse NP\_032253.1). Recommended concentration: 0.01-0.03µg/ml.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig

EB10175 (0.01µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.