



## UK Office

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

## EB06863 - Goat Anti-Orexin receptor 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HCRTR1, OX1R, hypocretin (orexin) receptor 1, orexin receptor, orexin receptor 1, orexin receptor-1, hypocretin receptor 1, hypocretin receptor-1

**Official Symbol:** HCRTR1

**Accession Number(s):** NP\_001516.1

**Human GeneID(s):** [3061](#)

### Immunogen

Peptide with sequence C-RNWKRPDQLGD, from the internal region of the protein sequence according to NP\_001516.1.

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 48+35kDa band observed in Human Brain lysates (calculated MW of 47.5kDa according to NP\_001516.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Silveyra et al, Am J Physiol Endocrinol Metab. 2007 Oct;293(4):E977-85; PMID: 17638707). Recommended concentration: 0.1-0.3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Sheep

EB06863 (0.1 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.