



## UK Office

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

## EB10833 - Goat Anti-Orexin Receptor 2 (aa405-419) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HCRTR2, hypocretin (orexin) receptor 2, OX2R, hypocretin receptor type 2, orexin receptor type 2, ox-2-R, ox2-R

**Official Symbol:** HCRTR2

**Accession Number(s):** NP\_001517.2

**Human GeneID(s):** [3062](#)

**Non-Human GeneID(s):** 387285 (mouse), 25605 (rat)

### Immunogen

Peptide with sequence C-KSLTTQISNFDNISK, from the internal region (near C Terminus) of the protein sequence according to NP\_001517.2.

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 50kDa band observed in Mouse fetal Brain lysates (calculated MW of 52.5kDa according to Mouse NP\_945200.1). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Mouse

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

### Specific Reference

**This antibody has been successfully used in the following paper:**

Xiao-Yang Zhang, Wen-Xia Wu, Li-Ping Shen, Miao-Jin Ji, Peng-Fei Zhao, Lei Yu, Jun Yin, Shu-Tao Xie, Yun-Yong Xie, Yang-Xun Zhang, Hong-Zhao Li, Qi-Peng Zhang, Chao Yan, Fei Wang, Chris I De Zeeuw, Jian-Jun Wang, Jing-Ning Zhu

A role for the cerebellum in motor-triggered alleviation of anxiety.

Neuron. 2024 Apr 3;112(7):1165-1181.e8.

PMID: 38301648



EB10833 (0.5 $\mu$ g/ml) staining of Mouse fetal Brain lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.