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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 GenelD(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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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