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EB08124 - Goat Anti-Orexin Receptor 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: OTTHUMP00000039969, hypocretin (orexin) receptor 2, HCRTR2,

OX2R, hypocretin receptor-2, orexin receptor 2

Official Symbol: HCRTR2

Accession Number(s): NP_001517.1

Human GeneID(s): 3062

Non-Human GenelD(s): 25605 (rat)

Immunogen

Peptide with sequence SGTKLEDSPPCRN, from the N Terminus of the protein sequence according to NP_001517.1.

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 1:128000.

Western blot: Approx 50kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 50.7kDa according to NP_001517.1). Recommended concentration: 1-3μg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Pig, Cow

Specific Reference

This antibody has been successfully used in ICC on Mouse:

Danlei Liu et al.

Lateral hypothalamus orexinergic projection to the medial prefrontal cortex modulates chronic stress-induced anhedonia but not anxiety and despair.

Transl Psychiatry. 2024 Mar 16;14(1):149.

PMID: 38493173

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa

15kDa

20kDa

EB08124 (1.5μg/ml) staining of Human Brain (Hippocampus) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.