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Research Use Only. Not for diagnostic or therapeutic use.

Storage: Aliquot and store at -20°C. Minimize freezing and thawing.

Product: EB08608 – Goat anti-OX1R and OX2R antibody

Target Protein

Principal Names: HCRTR1; hypocretin (orexin) receptor 1; OX1R; hypocretin receptor 1; hypocretin receptor-1; orexin receptor 1; orexin receptor-1; HCRTR2; hypocretin (orexin) receptor 2; OX2R; hypocretin receptor 2; hypocretin receptor-2; orexin receptor 2; orexin receptor-2

Official Gene Symbol: HCRTR1

Accession Number(s): NP_001516.1; NP_001517.1

Human Gene ID(s): 3061; 3062

Non-Human GeneID(s): 230777 (mouse); 25593 (rat);

Immunogen

Peptide with sequence C-YNFLSGKFREQFK, from the internal region of the protein sequence according to NP_001516.1; NP_001517.1

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

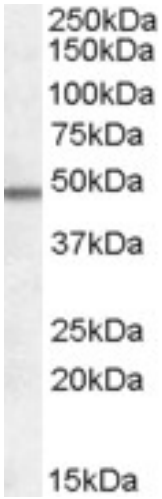
Peptide ELISA: antibody detection limit dilution 1:32,000. Western Blot: Approx 48kDa band observed in Human Brain (Frontal Cortex), Mouse Brain and Rat Brain lysates (calculated MW of 47.5kDa according to NP_001516.1 and NP_001517.1). Recommended concentration: 0.3-1µg/ml.

Species Reactivity

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

Background Reference

Fukunaka Y, Shinkai T, Hwang R, Hori H, Utsunomiya K, Sakata S, Naoe Y, Shimizu K, Matsumoto C, Ohmori O, Nakamura J
The orexin 1 receptor (HCRTR1) gene as a susceptibility gene contributing to polydipsia-hyponatremia in schizophrenia
Neuromolecular Med. 2007;9(4):292-7
PMID: 17999203



EB08608 (0.5µg/ml) staining of Frontal Cortex lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.