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EB08608 - Goat Anti-OX1R and OX2R Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

receptor 2, orexin receptor-2 **Official Symbol:** HCRTR1

Accession Number(s): NP_001516.2; NP_001517.2

Human GenelD(s): 3061, 3062

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

Important Comments: This antibody is expected to recognise both the human proteins

OX1R and OX2R.

Immunogen

Peptide with sequence C-YNFLSGKFREQFK, from the internal region of the protein sequence according to NP_001516.2; 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 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. Primary incubation was 1 hour.

Species Reactivity

Tested: Human, Mouse, Rat

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

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

EB08608 (0.5μg/ml) staining of Human Frontal Cortex lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

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

 $EB08608\ (1\mu g/ml)\ staining\ of\ Mouse\ Brain\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$