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

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 GeneID(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

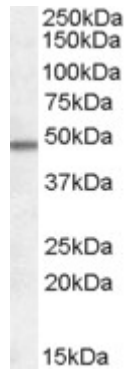
Peptide ELISA: antibody detection limit dilution 1:32000.

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.

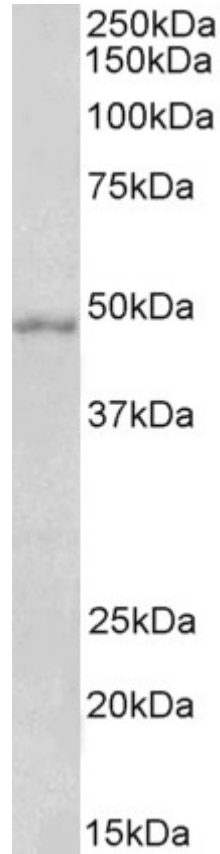
Species Reactivity

Tested: Human, Mouse, Rat

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



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



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