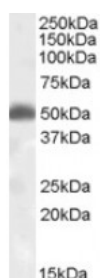




## Orexin Receptor 2 Antibody

CATALOG NUMBER: 46-104



Western Blot (1ug/ml) staining of human brain (hippocampus) lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 50kDa band observed in human brain (cerebral cortex, hippocampus and substantia nigra) lysates (calculated MW of 50.7kDa according to NP_001517.1). Recommended concentration: 1-3ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. XBL-10110 - Human Hippocampus Tissue Lysate
<b>IMMUNOGEN:</b>	Orexin Receptor 2 antibody was raised against a 13 amino acid synthetic peptide near the N-Terminus of Orexin Receptor 2.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Orexin Receptor 2 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Orexin Receptor 2 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	HCRTR2, hypocretin (orexin) receptor 2, OX2R, OTTHUMP00000039969, hypocretin receptor-2, orexin receptor 2
<b>ACCESSION NO.:</b>	NP_001517.1
<b>PROTEIN GI NO.:</b>	4557639

**OFFICIAL SYMBOL:** HCRTR2

**GENE ID:** 3062

### Background

**REFERENCES:** 1) Spinazzi R, Rucinski M, Neri G, Malendowicz LK, Nussdorfer GG. Preproorexin and orexin receptors are expressed in cortisol-secreting adrenocortical adenomas, and orexins stimulate in vitro cortisol secretion and growth of tumor cells. J Clin Endocrinol Metab. 2005 Jun;90(6):3544-9. Epub 2005 Mar 29.

**FOR RESEARCH USE ONLY**

December 13, 2016