

Datasheet for ABIN238589

## anti-HCRTR2 antibody (N-Term)



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### Overview

Quantity:	100 µg
Target:	HCRTR2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This HCRTR2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

### Product Details

Purpose:	Orexin Receptor 2
Immunogen:	Peptide with sequence SGTKLEDSPPCRN, from the N Terminus of the protein sequence according to NP_001517.1.
Sequence:	SGTKLEDSPP CRN
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Pig
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	HCRT2
Alternative Name:	HCRT2 ( <a href="#">HCRT2 Products</a> )
Background:	OTTHUMP00000039969, hypocretin (orexin) receptor 2, HCRT2, OX2R, hypocretin receptor-2, orexin receptor 2
Gene ID:	3062, 25605
NCBI Accession:	<a href="#">NP_001517</a>
Pathways:	<a href="#">Feeding Behaviour</a>

## Application Details

Application Notes:	Western Blot: Approx 50 kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 50.7 kDa according to NP_001517.1). Recommended concentration: 1-3 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

## Publications

Product cited in:	Ji, Zhang, Chen, Wang, Zhu: "Orexin prevents depressive-like behavior by promoting stress
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resilience." in: **Molecular psychiatry**, Vol. 24, Issue 2, pp. 282-293, (2020) ([PubMed](#)).

Images



Western Blotting

**Image 1.** ABIN238589 (1.5µg/ml) staining of Human Brain (Hippocampus) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

**Image 2.** ABIN238589 (1µg/ml) staining of human brain (hippocampus) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.