

Datasheet for ABIN2764055
anti-HCRTR1 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	HCRTR1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCRTR1 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Synthetic peptide made to the N terminal of human Orexin Receptor 1
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	<p>Ox1r, Hypocretin receptor type 1, As first published in 1998 by Sakurai et al, the initial neuropeptides Orexin A and Orexin B were shown to be important in the regulation of appetite. Continued research now suggests that these peptides also influence a wide range of physiological and behavioral processes such as increased EEG arousal and wakefulness and locomotor activity. In addition to the orexins, two G-protein coupled receptors, designated orexin receptor-1 and orexin receptor-2, have been identified which presumably mediate the signaling events from these neuropeptides¹. Recently Orexin Receptors have been found to activate extracellular signal-regulated kinases in CHO cells, namely ERK phosphorylation,</p>

Product Details

through Ca²⁺ influx..2. Further studies seem to indicate a mechanism for orexin receptor mediated cell death and suggest a pathway from GPCRs to apoptosis through the MAPK pathways.3

Purification: Antigen Immunoaffinity Purification

Target Details

Target: HCRT1R

Alternative Name: Orexin Receptor-1 ([HCRT1R Products](#))

UniProt: [O43613](#)

Pathways: [Feeding Behaviour](#)

Application Details

Application Notes: Antibody can be used for Western blotting at Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

Buffer: Immunoaffinity antibody provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles