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Datasheet for ABIN1711079  
**anti-Orexin A antibody (HRP)**

### Overview

Quantity:	100 µL
Target:	Orexin A (OXA)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Orexin A antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Orexin A
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	Orexin A (OXA)
Alternative Name:	Orexin A ( <a href="#">OXA Products</a> )
Background:	Synonyms: HCRT 1, HCRT, HCRT1, HCRT2, Hypocretin orexin neuropeptide precursor, Hypocretin 1, Hypocretin 2, Hypocretin A, Hypocretin, Hypocretin neuropeptide precursor, Hypocretin1, NRCLP1, Orexin A, Orexin, Orexin B, Orexin precursor, OrexinA, OX, PPORX, PPOX, PREPROOREXIN, OREX_HUMAN.

## Target Details

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Background: Orexin A (hypocretin 1) a 33 amino acid peptide and orexin B (hypocretin 2), a 28 amino acid peptide, are both derived from a common 130 amino acid precursor, prepro orexin. Orexin A and Orexin B stimulate food consumption when administered intracerebroventricularly to rats. Orexin gene expression in the brain is highly restricted to distinct populations of neurons located in specific hypothalamic regions, including the lateral hypothalamic area (LHA), a region implicated in feeding behaviour. Orexin A and orexin B bind to and activate two closely related G protein coupled receptors (GPCRs), termed Orexin 1 (OX1) and Orexin 2 (OX2) receptors. Dysfunction of the orexin peptide system has been linked to narcolepsy.

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Gene ID: 3060

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Pathways: [Synaptic Membrane](#), [Feeding Behaviour](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: Gentamicin sulfate

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months