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Datasheet for ABIN7468696 **anti-Orexin antibody**

Overview

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

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human Orexin B. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Orexin (OX)
Alternative Name:	hypocretin neuropeptide precursor (OX Products)
Background:	Synonyms: hypocretin neuropeptide precursor , NRCLP1 , OX , PPOX Background: This gene encodes a hypothalamic neuropeptide precursor protein that gives rise to two mature neuropeptides, orexin A and orexin B, by proteolytic processing. Orexin A and

Target Details

orexin B, which bind to orphan G-protein coupled receptors HCRT1 and HCRT2, function in the regulation of sleep and arousal. This neuropeptide arrangement may also play a role in feeding behavior, metabolism, and homeostasis. [provided by RefSeq]

Molecular Weight: 13 kDa

Gene ID: 3060

UniProt: [O43612](#)

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

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
Not tested in other applications.

Comment: Positive Control: mouse brain , rat testis

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.23 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.