

Product datasheet

Anti-Orexin A antibody [MM0500-8G22] ab89886

★★★★★ [1 Abreviews](#)

Overview

Product name	Anti-Orexin A antibody [MM0500-8G22]
Description	Mouse monoclonal [MM0500-8G22] to Orexin A
Host species	Mouse
Tested applications	Suitable for: IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment: PLPDCC RQK TCSCRLY EL LHGAGNHA A GILT, corresponding to amino acids 35-65 of Human Orexin A

[Run BLAST with !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#) [Run BLAST with !\[\]\(a86c7d1c9cb81c81614634a31267440d_img.jpg\)](#)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Protein G purified
Purification notes	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and 0.2 µm filtered.
Clonality	Monoclonal
Clone number	MM0500-8G22
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab89886 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.

Target

Relevance

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.

Cellular localization

Rough endoplasmic reticulum. Cytoplasmic vesicle. Cell junction, synapse. Note: Associated with perikaryal rough endoplasmic reticulum as well as cytoplasmic large granular vesicles at synapses.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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