

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Orexin A/Hypocretin-1. In dot blots, no cross-reactivity with recombinant human Orexin B is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 97505
Purification	Protein A or G purified from ascites
Immunogen	KLH-coupled human Orexin A/Hypocretin-1 synthetic peptide Accession # O43612
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Orexin A and Orexin B are neuropeptide hormones derived from proteolytic processing of the Orexin precursor protein. Orexins are released from the hypothalamus and are involved in the regulation of sleeping patterns, feeding, and metabolism. The synthetic peptide immunogen corresponds to amino acid 34 - 66 of the human Orexin precursor (accession #O43612) (1).

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