



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Orexin B

Orexin B is a 28-amino acid neuropeptide hormone involved in the regulation a variety of behavioral and physiological processes in response to motivational stimuli. Orexins (Orexin A and Orexin B) are produced by proteolytic cleavage of prepro-orexin. They were so named for their stimulatory role in feeding behavior, but also play important functions in the organism's energy homeostasis and sleep cycles. They exert their effects through G-protein coupled receptors.

This antibody was generated by immunization of rabbits with Orexin B coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4079 (Lot 000509)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Mouse, rat
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH ₂ , coupled to carrier protein.
Protein database:	<u>mouse-O55241</u> , <u>rat-O55232</u>

Cross-Reactivity:

PEPTIDE	%
Orexin-B (mouse, rat)	100
Orexin B (human)	100
Orexin-A (human, bovine, mouse, rat)	0
NPY (human, rat)	0
α -MSH	0
Leptin (human)	0
Substance P	0
CRF (human, rat)	0

Applications:

Tested in ELISA against Orexin B and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user

Please see www.bma.ch for protocols and general information

Related Products:

S-1148: ELISA high sensitivity for extracted samples (ms, rt)
S-1374: ELISA extraction-free for serum and plasma samples
T-4077: Rabbit anti Orexin B, neat antiserum (hu)
S-1147: ELISA high sensitivity for extracted samples (hu)
T-4075: Rabbit anti Orexin B, diluted antiserum(hu)
T-4078: Rabbit anti Orexin B, diluted antiserum (ms, rt)
T-4080: Rabbit anti Orexin B, neat antiserum (ms, rt)
T-4076: Rabbit anti Orexin B, purified antiserum (hu)

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.