



BMA BIOMEDICALS



Peninsula Laboratories

T-4078

Rabbit anti Orexin B (mouse, rat) [UniProt: 055241, 055232]

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

Lot number:	000114
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Orexin B. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
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.

Cross-Reactivity:

PEPTIDE:	%
Orexin-B (mouse, rat)	100
Orexin-B (human)	100
Hypocretin (70-98) (human)	100
Hypocretin (28-66) (mouse, rat)	0
Orexin-A (human, bovine, mouse, rat)	0
NPY (human, rat)	0
α -MSH	0
Leptin (human)	0

Related Products: S-1148: ELISA, high sensitivity for extracted samples (ms, rt)
S-1374: ELISA, extraction-free for serum and plasma samples
T-4077: anti Orexin B (hu), neat antiserum
T-4076: anti Orexin B (hu), purified IgG
S-1147: ELISA, high sensitivity for extracted samples (hu)
S-1148: ELISA, high sensitivity for extracted samples (ms, rt)
T-4080: anti Orexin B (ms, rt), neat antiserum
T-4079: anti Orexin B (ms, rt), purified IgG

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum

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