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-4078 (Lot 000114)

Clonality: Polyclonal

Host species: Rabbit

Reactivity: Mouse, rat

Quantity: 1.0 ml

Format: Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.

Reconstitute by adding 1.0 ml 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-NH2 coupled to carrier protein.

Protein database: mouse-055241, rat-055232

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

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Cross-Reactivity:

PEPTIDE	%
NPY (human, rat)	0
α-MSH	0
Leptin (human)	0

Applications:

Tested 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 **bma.ch** for protocols and general information.

Related Products:

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

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

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