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-orexins. 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-4080 (Lot A04545)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Mouse, Rat
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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-O55241, rat-O55232

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

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Cross-Reactivity:

PEPTIDE:	%:
Substance P	0
CRF (human, rat)	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Orexin B. Other applications like 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.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

S-1148: ELISA, high sensitivity for extracted samples (ms, rt)
S-1147: ELISA, high sensitivity for extracted samples (hu)
S-1374: ELISA, extraction-free for serum and plasma samples
T-4076: anti Orexin B (hu), purified IgG
T-4075: anti Orexin B (hu), diluted antiserum
T-4078: anti Orexin B (ms, rt), diluted antiserum
S-1148: ELISA, high sensitivity for extracted samples (ms, rt)
T-4079: anti Orexin B (ms, rt), purified IgG

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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