



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti α -Neoendorphin

α -Neoendorphin is an endogenous opioid neuropeptide with a decapeptide structure. It is derived from the proteolytic cleavage of prodynorphin. Some studies revealed that α -Neoendorphin immunoreactive fibers throughout the human brainstem and it can be found in the caudal part of the solitary nucleus, in the caudal and the gelatinosa parts of the spinal trigeminal nucleus, and in the central grey matter of medulla.

This antibody was generated by immunization of rabbits with α -Neoendorphin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4601 (Lot A03648)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400 μ g
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer 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-Tyr-Gly-Gly-Phe-Leu-Arg-Lys-Tyr-Pro-Lys-OH coupled to carrier protein.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE	%
α -Neoendorphin (porcine)	100
β -Neoendorphin	0
Leumorphin (porcine)	0
Dynorphin A (1-8)	0
Dynorphin A (1-13)	0

Cross-Reactivity:

PEPTIDE	%
Dynorphin A	0
β -Endorphin (porcine)	0
Met-Enkephalin	0

Applications:

Tested in ELISA against α -Neoendorphin 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-1134: ELISA, high sensitivity for extracted samples (hu)
S-1240: ELISA, extraction-free for human serum and plasma samples
S-1264: ELISA, extraction-free for rat serum and plasma samples
T-4584: anti α -Neoendorphin, neat antiserum, host: rabbit
T-4591: anti α -Neoendorphin, diluted antiserum, host: rabbit

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