



BMA BIOMEDICALS



Peninsula Laboratories

T-4520

Rabbit anti Peptide F (Prepro-Enkephalin A) (104-137) (bovine)

Proenkephalin, also known as proenkephalin A, is an endogenous opioid polypeptide hormone which, via proteolytic cleavage, produces the enkephalin peptides [Met]enkephalin, and to a lesser extent, [Leu]enkephalin. The pre-proenkephalin gene contains four copies of Met-enkephalin and one copy each of Leu-enkephalin, the heptapeptide Met-enkephalin-Arg-Phe, and the octapeptide Met-Enkephalin-Arg-Gly-Leu. Other endogenous opioid peptides produced by proenkephalin include adrenorphin, amidorphin, BAM-18, BAM-20P, BAM-22P, peptide B, peptide E, and peptide F. Peptide F contains [Met⁵]enkephalin sequences at both its N terminus and its C terminus. The carboxy-terminally amidated peptide comprising the first 26 amino acids of peptide F is named amidorphin.

This antibody was generated by immunization of rabbits with Peptide F coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	980422
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
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 Peptide F. 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-Tyr-Gly-Gly-Phe-Met-Lys-Lys-Met-Asp-Glu-Leu-Tyr-Pro-Leu-Glu-Val-Glu-Glu-Glu-Ala-Asn-Gly-Gly-Glu-Val-Leu-Gly-Lys-Arg-Tyr-Gly-Gly-Phe-Met-OH coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Peptide F (bovine)	100
α -Neoendorphin (porcine)	.04
Met-Enkephalin	0
Leu-Enkephalin	0
β -Endorphin (camel, bovine, mouse, ovine)	0
Dynorphin A (1-17)	0
BAM-12P	0
BAM-22P	0
BAM 3200	0
Meteopamide	0
Met-Enkephalin-Arg-Gly-Leu	0
Endothelin-1 (human, porcine, dog, rat, mouse, bovine)	0

Related Products: T-4521: Rabbit anti Peptide F (bo), neat antiserum

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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rabbit IgG

1.3.2021