



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Methionine Enkephalin-Arg-Phe

Met-Enkephalin is an endogenous opioid pentapeptide that has opioid effects of a relatively short duration. It is one of the two forms of enkephalin, the other being leu-enkephalin. Enkephalins are the primary endogenous ligands of the δ -opioid receptor, due to their high potency and selectivity for the site over the other endogenous opioids. Met-enkephalin is found mainly in the adrenal medulla and throughout the central nervous system (CNS). It is synthesized from proenkephalin via proteolytic cleavage. As a result, its cleavage generates: the met-enkephalin derivatives, the heptapeptide met-enkephalin-arg-phe (261–267), and the octapeptide met-enkephalin-arg-gly-leu (186–193).

This antibody was generated by immunization of rabbits with Methionine Enkephalin-Arg-Phe coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4302 (Lot n/a)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 μ l
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 μ l 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-Tyr-Gly-Gly-Phe-Met-Arg-Phe-NH ₂ coupled to carrier protein.
Protein database:	n/a

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Methionine Enkephalin-Arg-Phe. 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-1419: Met-Enkephalin ELISA, high sensitivity for extracted samples

S-1541: Leu-Enkephalin ELISA, high sensitivity for extracted samples

T-4288: rabbit anti Leu-Enkephalin, diluted antiserum

T-4289: rabbit anti Leu-Enkephalin, purified IgG

T-4290: rabbit anti Leu-Enkephalin, neat antiserum

T-4292: rabbit anti Met-Enkephalin, diluted antiserum

T-4297: rabbit anti Met-Enkephalin-Arg-Gly-Leu, purified IgG

T-4298: rabbit anti Met-Enkephalin-Arg-Gly-Leu, neat antiserum

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