

## Product datasheet for **TA364078**

### Enkephalin (PENK) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Methionine Enkephalin-Arg-Phe. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Tyr-Gly-Gly-Phe-Met-Arg-Phe-NH <sub>2</sub> coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Gene Name:	proenkephalin
Database Link:	<a href="#">Entrez Gene 5179 Human P01210</a>
Background:	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. The enkephalins are considered to be 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.
Synonyms:	preproenkephalin; proenkephalin



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