

## Product datasheet for **TA364241**

### ProDynorphin (PDYN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against $\alpha$ -Neoendorphin. 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-Leu-Arg-Lys-Tyr-Pro-Lys-OH coupled to carrier protein.
Formulation:	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.
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:	prodynorphin
Database Link:	<a href="#">Entrez Gene 5173 Human P01213</a>
Background:	$\alpha$ -Neoendorphin is an endogenous opioid neuropeptide with a decapeptide structure. It is derived from the proteolytic cleavage of prodynorphin. Some studies revealed that $\alpha$ -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 $\alpha$ -Neoendorphin coupled to a carrier protein.
Synonyms:	beta-neoendorphin; beta-neoendorphin-dynorphin; dynorphin; leu-enkephalin; leumorphin; MGC26418; PENKB; preprodynorphin; prodynorphin; rimorphin



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