

Product datasheet for **TA364060**

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 Dynorphin A (1-8). 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-Arg-Ile-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:	Entrez Gene 5173 Human P01213
Background:	Dynorphin is a 17-amino acid opioid peptide found in the mammalian central nervous system, including hypothalamus, striatum, hippocampus, and spinal cord. It has a strong affinity for opiate receptors and it arises from the precursor protein prodynorphin, which is cleaved during processing by proprotein convertase 2 (PC2), releasing multiple active peptides like dynorphin A, dynorphin B, and α/β -neo-endorphin. Dynorphin A (1-8) is a truncated form of dynorphin A. It is an agonist at the mu-, kappa-, and delta-opioid receptors and it has the highest binding affinity for the kappa-opioid receptor. This antibody was generated by immunization of rabbits with Dynorphin A (1-8) coupled to a carrier protein.
Synonyms:	beta-neoendorphin; beta-neoendorphin-dynorphin; dynorphin; leu-enkephalin; leumorphin; MGC26418; PENKB; prodynorphin; prodynorphin; rimorphin



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