

## Product datasheet for **TA364200**

### **PENK Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA
<b>Recommended Dilution:</b>	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.
<b>Reactivity:</b>	Bovine
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	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 carrier protein.
<b>Formulation:</b>	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
<b>Concentration:</b>	N/A
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	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.
<b>Database Link:</b>	<a href="#">Entrez Gene 281387 Bovine P01211</a>
<b>Background:</b>	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 [Met <sup>5</sup> ]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.



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**Synonyms:** preproenkephalin; proenkephalin