

## Product datasheet for **BP5044**

### Enkephalin (PENK) (Met-enkephalin) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	<b>Immunohistochemistry on Frozen and Paraffin Sections.</b> <b>Immunofluorescence.</b> <b>Working Dilution:</b> 1/400-1/800 (using FITC) with overnight incubation at 2-8°C. <b>Recommended Positive Control:</b> Frozen sections of Cat or Pig small intestine.
Reactivity:	Feline, Porcine, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic met-Enkephalin (Sigma), conjugated to BSA
Specificity:	The antibody recognizes Enkephalin. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining, while beta-Endorphin does not. Cross reacts with Leu-Enkephalin.
Formulation:	0.1M PBS containing 1% BSA as stabilizer and 0.09% Sodium Azide as preservative State: Serum State: Lyophilized Undiluted Serum
Reconstitution Method:	Dissolve the antiserum in 50-100 µl distilled water, and dilute further in Buffer.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proenkephalin
Database Link:	<a href="#">P01210</a>



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**Background:**

Enkephalins are small peptides derived from large precursors (pro-enkephalin A and B) containing multiple enkephalin copies. They are the most abundant opioid peptides in the body and are widely distributed in the brain and the peripheral nervous system and occur also in the adrenal medulla. Several types of neuroendocrine tumors, incl. pheochromocytomas, neuroblastomas and bronchial and gastrointestinal endocrine tumors, produce enkephalin.

**Synonyms:**

preproenkephalin; proenkephalin