



## pre-pro Enkephalin

## Datasheet

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<b>Catalog Number:</b>	RA14124	<b>Host:</b>	Rabbit
<b>Product Type:</b>	Whole serum, Rabbit IgG	<b>Species Reactivity:</b>	Mouse, rat
<b>Immunogen Sequence:</b>	CSYSKEVPEMEKRYGGFMRF Conjugated to KLH	<b>Format:</b>	Serum, 0.05% Sodium Azide
<b>Applications:</b>	Immunohistochemistry 1:100-1:400 Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Store frozen. Aliquot as undiluted antibody and immediately place at -20°C. Liquid may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.		

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### Application Notes

Antibody was screen on rat and mouse brain and spinal cord. Both processes and cell bodies were observed.

**Description/Data:** Met-enkephalin (tyr-gly-gly-phe-met) and leu-enkephalin (tyr-glygly-phe-leu) are pentapeptides which compete with and mimic the effects of opiate drugs. Although interest in enkephalins stems largely from their possible role in the brain, the richest source of these peptides is the adrenal gland. The amino acid sequence shows that the precursor is 267 amino acids long and contains 6 interspersed Met-enkephalin sequences and 1 Leu-enkephalin sequence. The precursor does not contain the sequences of dynorphin, alpha-neo-endorphin or beta-endorphin. (Because of structural similarities it had been postulated that beta-endorphin is precursor of Met-enkephalin, and that dynorphin or alpha-neoendorphin is precursor of Leu-enkephalin.) It is involved in the modulation of nociceptive pain. ppENK may be capable of enhancing immune function in cancer or AIDS patients

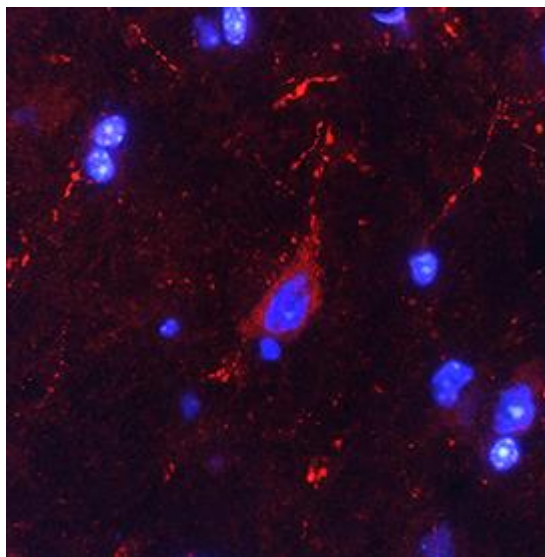


Image: RA14112 staining of mouse striatum

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