甲硫氨酸脑啡肽抗体

产品货号： mlR1759

英文名称： Met Enkephalin

中文名称： 甲硫氨酸脑啡肽抗体

别　　名： Met-enkephalin; [Met]enkephalin; Enkephalin; M-ENK; Methionine Enkephalin; OGF; Opioid growth factor; PENK; PPA; Proenkephalin A; Proenkephalin; M enk; PE; PENK-A; PENK_HUMAN.

研究领域： 神经生物学　生长因子和激素

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 0.5kDa

细胞定位： 分泌型蛋白

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated Met Enkephalin peptide (Tyr-Gly-Gly-Phe-Met):

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： Enkephalin and enkephalin-like peptides have been detected in many animal species. In mammals these opioid pentapeptides are cleaved from a common precursor molecule which is expressed in a number of cell types, including neurons and endocrine cells associated with the sympathetic nervous system where they are often co-stored with catecholamines. They are known to be endogenous ligands for Sopioid receptors and are known to mediate analgesia at the spinal level.

Met-enkephalin (tyr-gly-gly-phe-met) and leu-enkephalin (tyr-gly-gly-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-neo-endorphin is precursor of Leu-enkephalin.)

Function:

Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. PENK(114-133) and PENK(237-258) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum.

Subcellular Location:

Secreted.

Post-translational modifications:

The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.

Similarity:

Belongs to the opioid neuropeptide precursor family.

SWISS:

P01210

Gene ID:

5179

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.