



Rabbit Anti-PENK(237-258) antibody

SL18226R

Product Name:	PENK(237-258)
Chinese Name:	脑啡肽A抗体
Alias:	EP-ENK; Enkephalin A; P ENK; Preproencephalin A; Proenkephalin A; Proenkephalin; Synenkephalin; Proenkephalin; Opioid growth factor; OGF; PENK protein; ProenkephalinA; PENK_HUMAN; Met-enkephalin-Arg-Gly-Leu; Met-enkephalin-Arg-Phe; Synenkephalin; PENK(114-133); PENK(143-183); PENK(237-258).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	28kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PENK:237-258/267
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the pentapeptide opioids Met-enkephalin and Leu-enkephalin, which are stored in synaptic vesicles, then released into the synapse

where they bind to mu- and delta-opioid receptors to modulate the perception of pain. Other non-opioid cleavage products may function in distinct biological activities. [provided by RefSeq, Jul 2015]

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

Database links:

[Entrez Gene: 5179](#)Human

[Entrez Gene: 18619](#)Mouse

[Entrez Gene: 29237](#)Rat

[Omim: 131330](#)Human

[SwissProt: P01210](#)Human

[SwissProt: P22005](#)Mouse

[SwissProt: P04094](#)Rat

[Unigene: 339831](#)Human

[Unigene: 475097](#)Mouse

[Unigene: 10015](#)Rat

Important Note:

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