
Product Name: PENK Rabbit Polyclonal Antibody**Catalog #: APRab15961**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	33kDa

Antigen Information

Gene Name	PENK
Alternative Names	PENK
Gene ID	5179.0
SwissProt ID	P01210
Immunogen	Synthetic peptide from human protein at AA range: 51-100

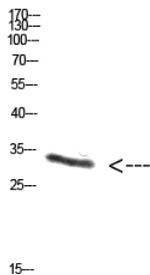
Background

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

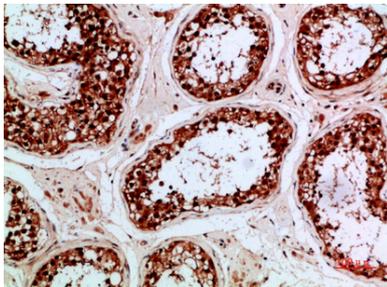
the synapse where they bind to mu- and delta-opioid receptors to modulate the perception of pain. Other non-opioid cleavage products may function in distinct biological activities. [provided by RefSeq, Jul 2015],function:Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They 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.,PTM: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,.

Research Area

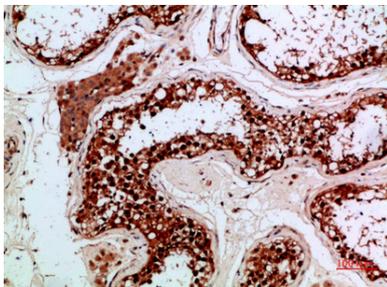
Image Data



Western Blot analysis of NT28 cells using Antibody diluted at 1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200