

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



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## Summary

<b>Production Name</b>	PENK Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	PENK
<b>Alternative Names</b>	PENK
<b>Gene ID</b>	5179.0
<b>SwissProt ID</b>	P01210.Synthetic peptide from human protein at AA range: 51-100

## Application

<b>Dilution Ratio</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Molecular Weight</b>	33kD

## Background

This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products

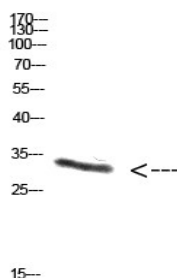
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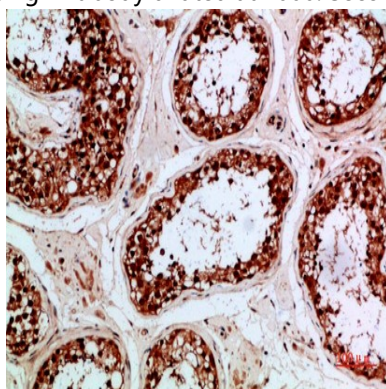
include the pentapeptide opioids Met-enkephalin and Leu-enkephalin, which are stored in synaptic vesicles, then released into the synapse where they bind to mu- and delta-opioid receptors to modulate the perception of pain. Other non-opioid cleavage products may function in distinct biological activities. [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

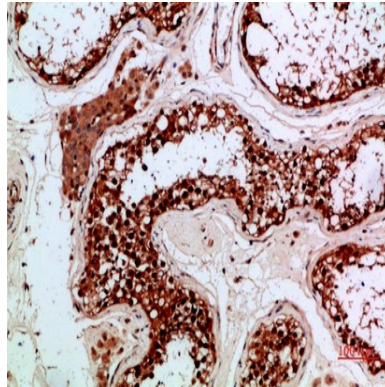


Western Blot analysis of NT28 cells using Antibody diluted at 1000. Secondary antibody was diluted at 1:20000



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

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**Note**

For research use only.