

## **PENK Polyclonal Antibody**

**Catalog # AP74012** 

### **Specification**

## **PENK Polyclonal Antibody - Product Information**

Application WB
Primary Accession P01210
Reactivity Human
Host Rabbit
Clonality Polyclonal

## **PENK Polyclonal Antibody - Additional Information**

**Gene ID** 5179

**Other Names** 

**PENK** 

**Dilution** 

WB~~WB 1:500-2000, ELISA 1:10000-20000

**Format** 

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions** 

-20°C

## **PENK Polyclonal Antibody - Protein Information**

Name PENK (HGNC:8831)

#### **Function**

[Met-enkephalin]: Neuropeptide that competes 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.

#### **Cellular Location**

Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen {ECO:0000250|UniProtKB:P01211}. Secreted {ECO:0000250|UniProtKB:P01211}

# **PENK Polyclonal Antibody - Protocols**

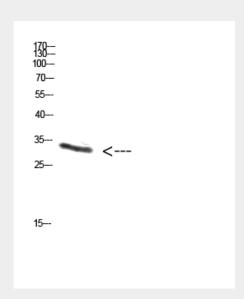
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

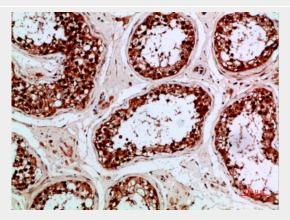


- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

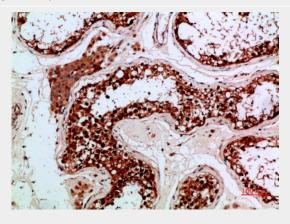
# **PENK Polyclonal Antibody - Images**



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

# **PENK Polyclonal Antibody - Background**

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.