

## **PENK Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP5889C

## **Specification**

## **PENK Antibody (Center) - Product Information**

Application WB, IHC-P, FC,E

Primary Accession P01210

Other Accession <u>NP\_001129162.1</u>, <u>NP\_006202.1</u>

Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Antigen Region
Rabbit IgG
145-174

## **PENK Antibody (Center) - Additional Information**

### **Gene ID 5179**

### **Other Names**

Proenkephalin-A, Synenkephalin, Met-enkephalin, Opioid growth factor, OGF, PENK(114-133), PENK(143-183), Met-enkephalin-Arg-Gly-Leu, Leu-enkephalin, PENK(237-258), Met-enkephalin-Arg-Phe, PENK

## Target/Specificity

This PENK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 145-174 amino acids from the Central region of human PENK.

### **Dilution**

WB~~1:1000 IHC-P~~1:50~100 FC~~1:10~50

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

PENK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### **PENK Antibody (Center) - 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**

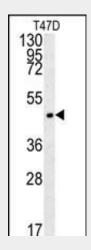
Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen {ECO:0000250|UniProtKB:P01211}. Secreted {ECO:0000250|UniProtKB:P01211}

# **PENK Antibody (Center) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **PENK Antibody (Center) - Images**

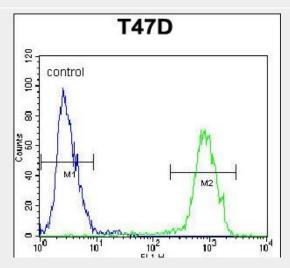


PENK Antibody (Center) (Cat. #AP5889c) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the PENK antibody detected the PENK protein (arrow).





PENK antibody (Center) (Cat. #AP5889c) immunohistochemistry analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PENK antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



PENK Antibody (Center) (Cat. #AP5889c) flow cytometric analysis of T47D cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.