

**PENK Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5889C**

**Specification**

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

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P01210</a>
Other Accession	<a href="#">NP_001129162.1</a> , <a href="#">NP_006202.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	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

**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**

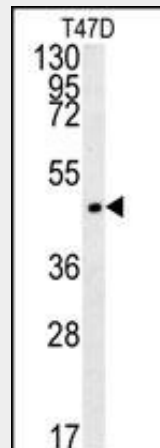
Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen  
{ECO:0000250|UniProtKB:P01211}. Secreted {ECO:0000250|UniProtKB:P01211}

**PENK Antibody (Center) - Protocols**

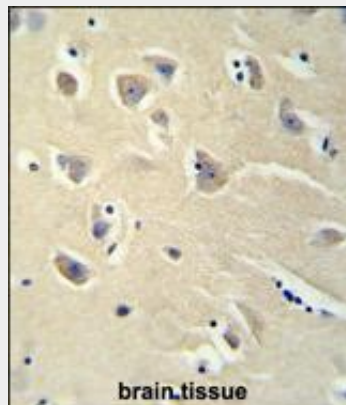
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PENK Antibody (Center) - Images**

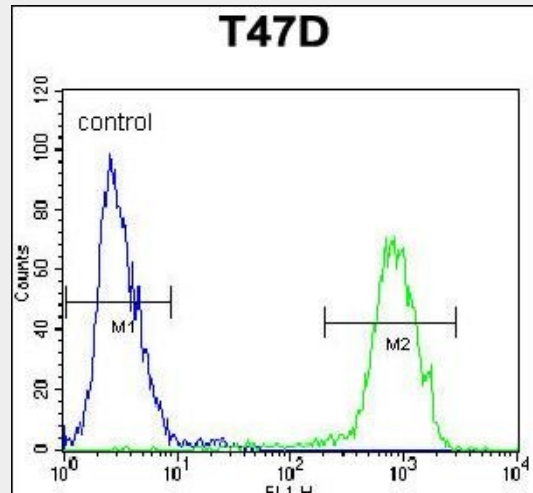


PENK Antibody (Center) (Cat. #AP5889c) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the PENK antibody detected the PENK protein (arrow).



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.