

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	NP_001129162.1 , NP_006202.1
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

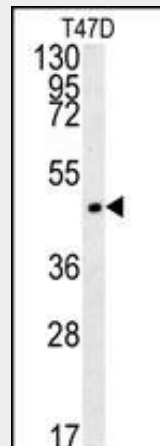
Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen
{ECO:0000250|UniProtKB:P01211}. Secreted {ECO:0000250|UniProtKB:P01211}

PENK Antibody (Center) - Protocols

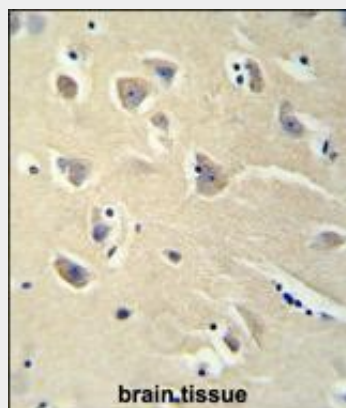
Provided below are standard protocols that you may find useful for product applications.

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

PENK Antibody (Center) - Images

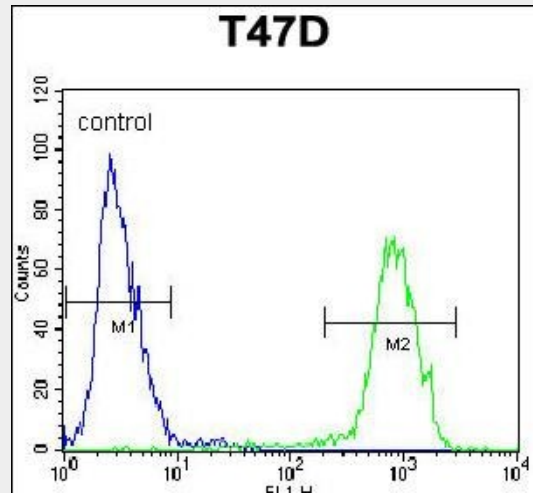


PENK Antibody (Center) (Cat. #AP5889c) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the PENK antibody detected the PENK protein (arrow).



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.