

ENPEP Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12090b**Specification**

ENPEP Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q07075
Other Accession	NP_001968.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	109244
Antigen Region	899-930

ENPEP Antibody (C-term) - Additional Information**Gene ID** 2028**Other Names**

Glutamyl aminopeptidase, EAP, Aminopeptidase A, AP-A, Differentiation antigen gp160, CD249, ENPEP

Target/Specificity

This ENPEP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 899-930 amino acids from the C-terminal region of human ENPEP.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

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

ENPEP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ENPEP Antibody (C-term) - Protein Information

Name ENPEP

Function Regulates central hypertension through its calcium-modulated preference to cleave N-terminal acidic residues from peptides such as angiotensin II.

Cellular Location

Cell membrane; Single-pass type II membrane protein

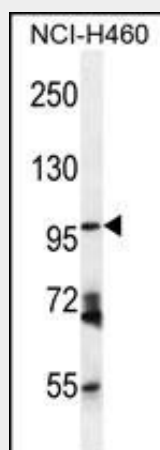
Tissue Location

Expressed in choriocarcinoma cancer cell lines (at protein level) (PubMed:10692253). Expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. Also found in a variety of other tissues.

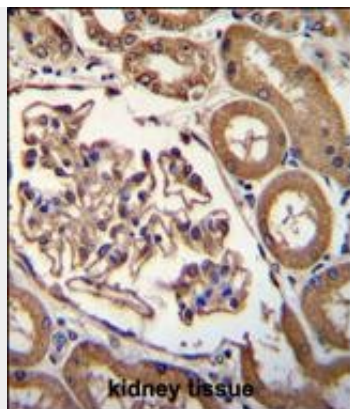
ENPEP Antibody (C-term) - Protocols

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

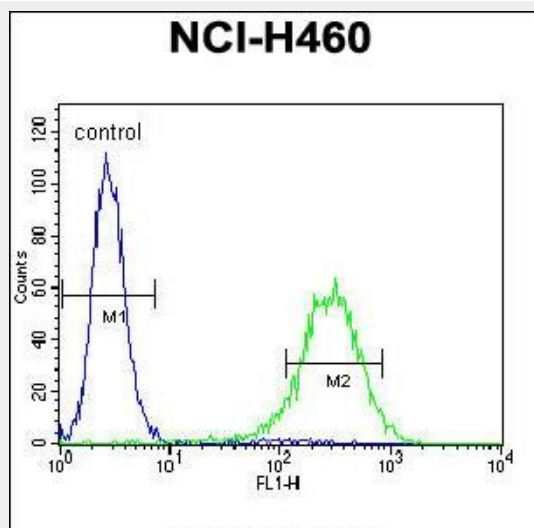
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ENPEP Antibody (C-term) - Images

ENPEP Antibody (C-term) (Cat. #AP12090b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ENPEP antibody detected the ENPEP protein (arrow).



ENPEP Antibody (C-term) (Cat. #AP12090b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ENPEP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ENPEP Antibody (C-term) (Cat. #AP12090b) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ENPEP Antibody (C-term) - Background

ENPEP appears to have a role in the catabolic pathway of the renin-angiotensin system. Probably plays a role in regulating growth and differentiation of early B-lineage cells.

ENPEP Antibody (C-term) - References

- Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010)
- Rose, J. PhD, et al. Mol. Med. (2010) In press :
- Perez, I., et al. Head Neck 31(10):1335-1340(2009)
- Sevalle, J., et al. J. Neurochem. 109(1):248-256(2009)
- Teranishi, J., et al. Prostate 68(15):1666-1673(2008)