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ENPEP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12090b

Specification

ENPEP Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,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
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
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

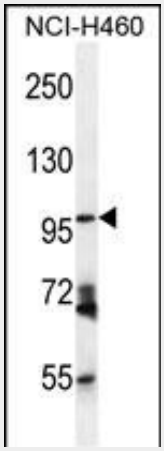
Tissue Location
Expressed in choriocarcinoma cancer cell lines (at protein level) (PubMed:10692253). Expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. Also found in a variety of other tissues.

ENPEP Antibody (C-term) - Protocols

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

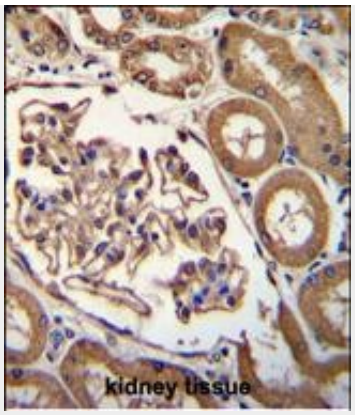
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ENPEP Antibody (C-term) - Images

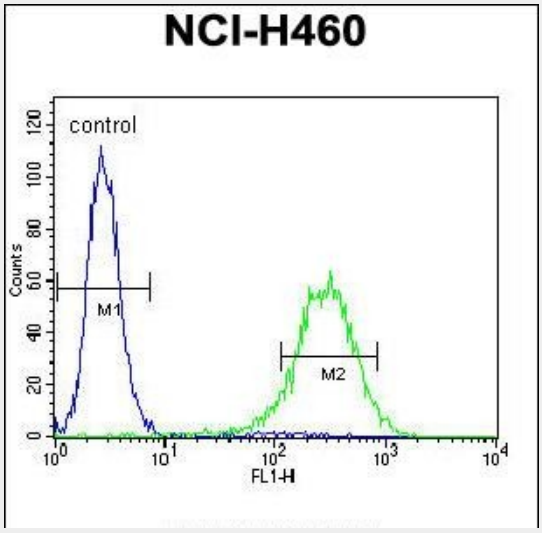


ENPEP Antibody (C-term) (Cat. #AP12090b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the ENPEP antibody detected the ENPEP protein (arrow).

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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)