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ENPEP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12090b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q07075
Other Accession	NP_001968.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19291
Calculated MW	109244
Antigen Region	899-930

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~~1:100~500 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	ENPEP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

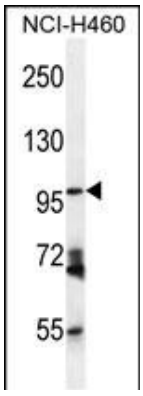
Background

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.

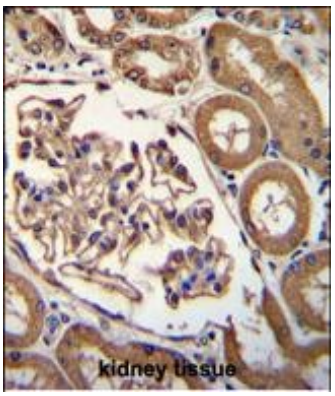
References

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Perez, I., et al. Head Neck 31(10):1335-1340(2009)
Sevalle, J., et al. J. Neurochem. 109(1):248-256(2009)
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Images

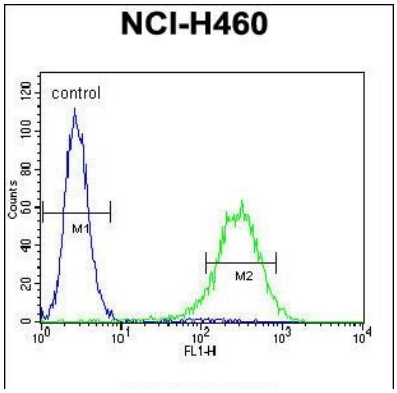


ENPEP Antibody (C-term) (Cat. #AP12090b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the ENPEP antibody detected the ENPEP protein (arrow).



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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.