

For Research Use Only

ENPEP Recombinant antibody, PBS Only

Catalog Number: 85963-1-PBS



Basic Information

Catalog Number: 85963-1-PBS	GenBank Accession Number: NM_001977.3	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 2028	CloneNo.: 250264B6
Source: Rabbit	UNIPROT ID: Q07075	
Isotype: IgG	Full Name: glutamyl aminopeptidase (aminopeptidase A)	
Immunogen Catalog Number: EG2736	Calculated MW: 109 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

ENPEP is the gene encoding the protein glutamyl aminopeptidase, also known as aminopeptidase A (APA), human kidney differentiation antigen (gp160). A type 2 membrane zinc metalloenzyme, APA is a general-purpose protease that primarily serves to cleave the acidic N-terminal aspartate and glutamyl residues of a variety of peptides, most significantly angiotensin 2 (ANG2, ang1-8), cholecystokinin-8 (CCK8), and neurokinin A. The presence of Ca²⁺ augments both the enzymatic efficiency and specificity of APA, increasing its selectivity towards the aforementioned acidic amino acids. Conversely, in the absence of calcium, APA can bind a wider range of N-terminal neutral and basic amino acids, some of which are cleaved, while others bind without proteolysis.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

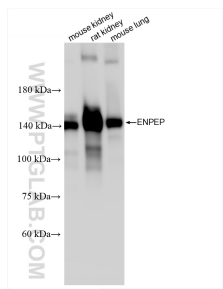
T: 4006900926

E: Proteintech-CN@ptglab.com

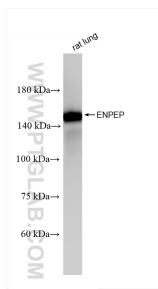
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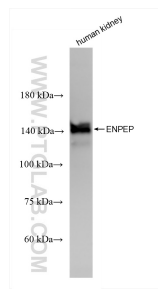
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85963-1-RR (ENPEP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85963-1-PBS in a different storage buffer formulation.



rat lung tissue were subjected to SDS PAGE followed by western blot with 85963-1-RR (ENPEP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85963-1-PBS in a different storage buffer formulation.



human kidney tissue were subjected to SDS PAGE followed by western blot with 85963-1-RR (ENPEP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85963-1-PBS in a different storage buffer formulation.