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[Primary Antibody]

Recombinant Rabbit Anti-ENPEP Monoclonal Antibody

Catalog Number: SLA0893M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	11B3
GeneID:	2028
SWISS:	Q07075
Target:	ENPEP
Immunogen:	KLH conjugated synthetic peptide derived from human ENPEP
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Predicted MW.:	109 kDa
Subcellular Location:	Membrane
Background:	Aminopeptidase A, also designated APA, gp160 human kidney differentiation antigen, glutamyl aminopeptidase, or enpep, is a differentiation-related kidney glycoprotein. As a cell surface, zinc-dependent metalloprotease, Aminopeptidase A specifically cleaves amino-terminal acidic residues from peptide substrates such as Angiotensin II. APA is expressed on the surface of epithelial cells of the glomerulus and proximal tubule cells of the human nephron, where it may mediate the constitutive trafficking of Glut4-containing vesicles. These Glut4-containing vesicles are tissue-specific secretory-like microsomal structures that mediate insulin-dependent translocation of GLUT4 to the cell surface in fat and muscle cells. Mutations in the gp160/APA gene, including loss of protein expression or enzymatic activity, occur in 20% of primary clear cell renal carcinomas.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.