

For Research Use Only

# NPEPPS Recombinant antibody

Catalog Number: 84230-4-RR



## Basic Information

Catalog Number:	84230-4-RR	GenBank Accession Number:	BC065294	Purification Method:	Protein A purification
Size:	1000 $\mu$ g/ml	GeneID (NCBI):	9520	CloneNo.:	241502G5
Source:	Rabbit	UNIPROT ID:	P55786	Recommended Dilutions:	WB 1:5000-1:50000 IHC 1:50-1:500
Isotype:	IgG	Full Name:	aminopeptidase puromycin sensitive		
Immunogen Catalog Number:	AG36035	Observed MW:	103 kDa		

## Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB :	A431 cells, HEK-293T cells, mouse brain tissue, rat brain tissue
Note-IHC:	suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC :	mouse liver tissue,

## Background Information

NPEPPS, also known as PSA, is a member of the oxytocinase subfamily of the M1 aminopeptidase family. NPEPPS encodes puromycin-sensitive aminopeptidase, a zinc metallopeptidase that hydrolyzes amino acids from the N-terminus of its substrate. The protein has 2 isoforms and is located in the cytoplasm.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

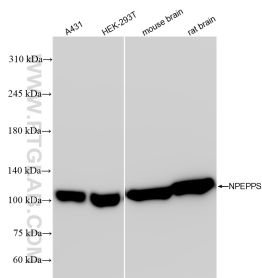
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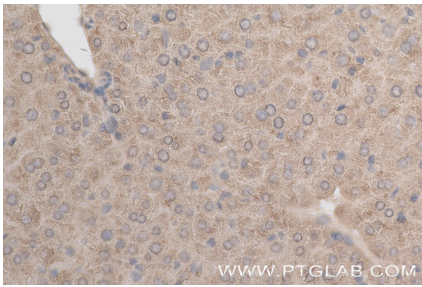
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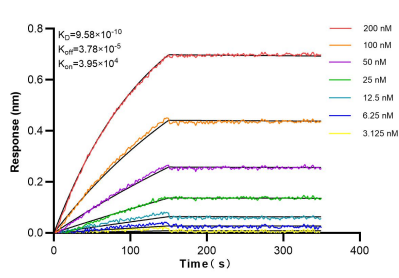
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84230-4-RR (NPEPPS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84230-4-RR (NPEPPS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84230-4-RR against Human NPEPPS were performed. The affinity constant is 0.956 nM.