

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: 100ul , Concentration: 1000 µg/ml by Nanodrop;	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

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HEK-293T cells, mouse brain tissue, rat brain tissue

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

*** 20ul sizes contain 0.1% BSA

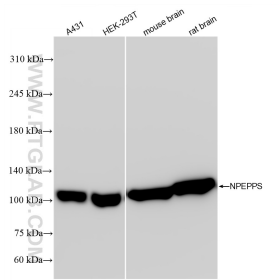
For technical support and original validation data for this product please contact:

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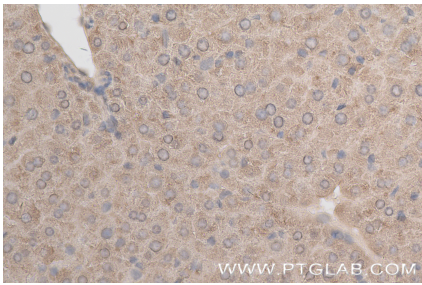
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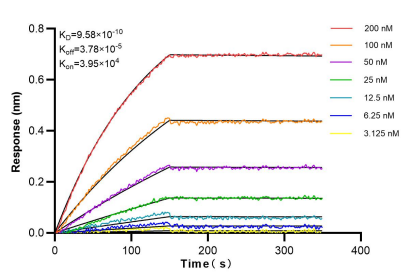
Selected Validation Data



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.