

For Research Use Only

NAGS Recombinant antibody

Catalog Number: 82963-1-RR



Basic Information

Catalog Number: 82963-1-RR	GenBank Accession Number: BC111713	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 162417	CloneNo.: 230279D3
Source: Rabbit	UNIPROT ID: Q8N159	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: N-acetylglutamate synthase	
Immunogen Catalog Number: AG16073	Calculated MW: 534 aa, 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, mouse liver tissue, rat liver tissue
Species Specificity: Human, mouse, rat	

Background Information

N-acetylglutamate synthase, also known as NAGS, is a mitochondrial enzyme that catalyzes the formation of N-acetylglutamate (NAG) from glutamate and acetyl coenzyme-A. NAGS is the key enzyme for regulating the hepatic urea cycle and is also highly expressed in the kidney and gut. Deficiency of NAGS leads to hyperammonemia due to decreased activity of CPSI deprived of its cofactor NAG(PMID:12459178,12754705).

Storage

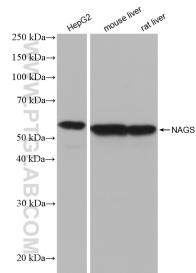
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

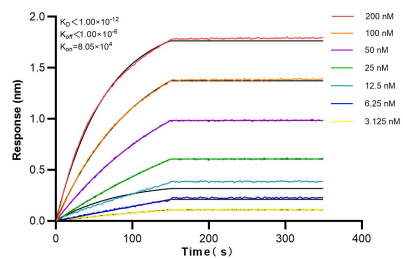
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82963-1-RR (NAGS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82963-1-RR against Human NAGS were performed. The affinity constant is below 1 pM.