

For Research Use Only

NAGS Recombinant antibody, PBS Only



Catalog Number: 82963-1-PBS

Basic Information

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|---|---|---|
| Catalog Number: 82963-1-PBS | GenBank Accession Number: BC111713 | Purification Method: Protein A purification |
| Size: 1mg/ml | GeneID (NCBI): 162417 | CloneNo.: 230279D3 |
| Source: Rabbit | UNIPROT ID: Q8N159 | |
| 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, Indirect ELISA

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

Storage Buffer:
PBS Only

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

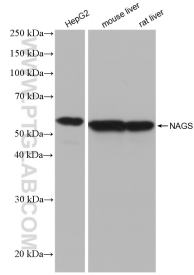
T: 4006900926

E: Proteintech-CN@ptglab.com

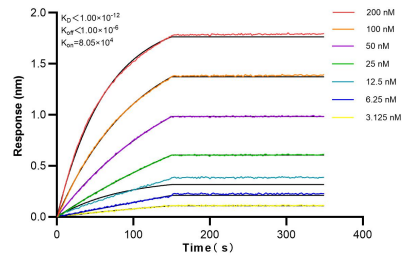
W: ptgcn.com

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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. This data was developed using the same antibody clone with 82963-1-PBS in a different storage buffer formulation.



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