

## Rabbit NAGS Polyclonal Antibody | anti-NAGS antibody

NAGS Polyclonal Antibody

|                               |                       |                                            |
|-------------------------------|-----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA280858</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|--------------------------------------------|

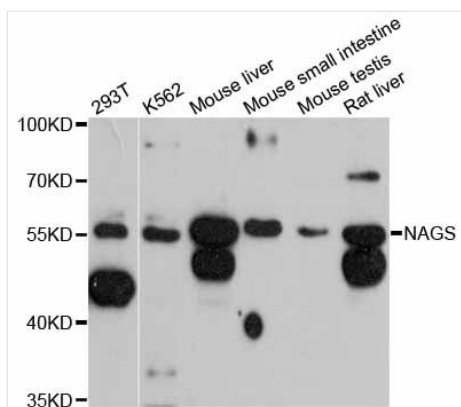
### PRODUCT SYNONYMS

NAGS; Polyclonal Antibody; NAGS Polyclonal Antibody; AGAS; ARGAs; anti-NAGS antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                        |
| Isotype                                        | IgG                                                                                                               |
| Purity/Purification                            | Affinity Purification                                                                                             |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                 |
| Sequence Length                                | 534                                                                                                               |
| Applicable Applications for anti-NAGS antibody | ELISA, WB (Western Blot)                                                                                          |
| Immunogen                                      | Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human TDRD3 (NP_110421.1). |
| Species/CrossReactivity                        | Human, Mouse, Rat                                                                                                 |
| Preparation and Storage                        | Store at -20°C. Avoid freeze/thaw cycles.                                                                         |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using NAGS antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NAGS antibody | The N-acetylglutamate synthase gene encodes a mitochondrial enzyme that catalyzes the formation of N-acetylglutamate (NAG) from glutamate and acetyl coenzyme-A. NAG is a cofactor of carbamyl phosphate synthetase I (CPSI), the first enzyme of the urea cycle in mammals. This gene may regulate ureagenesis by altering NAG availability and, thereby, CPSI activity. Deficiencies in N-acetylglutamate synthase have been associated with hyperammonemia. |
| Product Categories/Family for anti-NAGS antibody   | Primary antibody                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 74714699                                   |
| NCBI GeneID                      | 162417                                     |
| UniProt Accession #              | Q8N159; Q8IWR4; B2RAZ9                     |
| Molecular Weight                 | Observed MW: 73kDa<br>calculated MW: 73kDa |
| NCBI Official Full Name          | N-acetylglutamate synthase, mitochondrial  |
| NCBI Official Synonym Full Names | N-acetylglutamate synthase                 |
| NCBI Official Symbol             | NAGS                                       |
| NCBI Official Synonym Symbols    | AGAS; ARGA                                 |
| NCBI Protein Information         | N-acetylglutamate synthase, mitochondrial  |
| UniProt Protein Name             | N-acetylglutamate synthase, mitochondrial  |
| UniProt Gene Name                | NAGS                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.