

NAGS Rabbit pAb

Catalog No.: A24553

Basic Information

Observed MW

51kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

162417

Swiss Prot

Q8N159

Immunogen

Recombinant protein of human NAGS.

Synonyms

NAGS; AGAS; ARGAs; N-acetylglutamate synthase

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

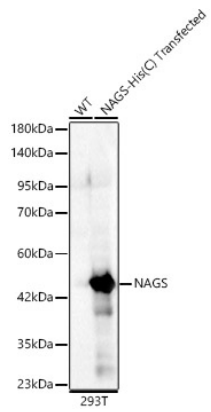
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with NAGS Rabbit pAb, using NAGS Rabbit pAb (A24553) at 1:2000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.