

Datasheet for ABIN2463410

anti-NAGS antibody

1 Image

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Overview

Quantity:	100 µL
Target:	NAGS
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAGS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human NAGS.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	NAGS
Alternative Name:	NAGS (NAGS Products)
Background:	NAGS is 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. Deficiencies in N-acetylglutamate synthase have been associated with hyperammonemia. The N-acetylglutamate synthase gene encodes a mitochondrial enzyme that catalyzes the formation of N-acetylglutamate (NAG) from

Target Details

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.

Molecular Weight: 58 kDa

Gene ID: 162417

NCBI Accession: [NP_694551](#)

UniProt: [Q8N159](#)

Application Details

Application Notes: NAGS antibody can be used for detection of NAGS by ELISA at 1:312500. NAGS antibody can be used for detection of NAGS by western blot at 1.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

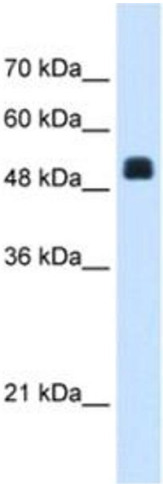
Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store NAGS antibody at -20 °C.



Western Blotting

Image 1.