

## Datasheet

### NAGS polyclonal antibody (A01)

**Catalog Number:** H00162417-A01

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a partial recombinant NAGS.

**Immunogen:** NAGS (NP\_694551, 435 a.a. ~ 532 a.a) partial recombinant protein with GST tag.

**Sequence:**

VLGGTPYLDKFFVSSSRQGQSGQMLWECLRRDLQT  
LFWRSRVTPINPWYFKHSDGSFSNKQWIFFWFGGLAD  
IRDSYELVNHAKGLPDSFHKPASDP

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 162417

**Gene Symbol:** NAGS

**Gene Alias:** AGAS, ARG, MGC133025

**Gene Summary:** 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. [provided by RefSeq]