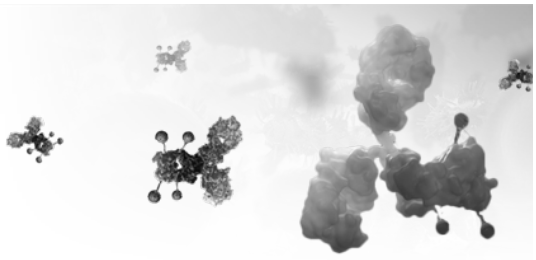

Anti-NAGS (aa 435-532) polyclonal antibody (DPAB-DC709)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NAGS (NP_694551, 435 a.a. ~ 532 a.a) partial recombinant protein with GST tag. The sequence is VLGGTPYLDKFVVSSSRQGQGSGQMLWECLRRDLQTLFWRSRVTNPINPWYFKHSDGSFS NKQWIFFWFGLADIRDSYELVNHAKGLPDSFHKPASDP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	NAGS N-acetylglutamate synthase [Homo sapiens (human)]
Official Symbol	NAGS
Synonyms	NAGS; N-acetylglutamate synthase; AGAS; ARGA; N-acetylglutamate synthase, mitochondrial; amino-acid acetyltransferase;
Entrez Gene ID	162417
Protein Refseq	NP_694551
UniProt ID	Q8N159
Chromosome Location	17q21.31
Pathway	2-Oxocarboxylic acid metabolism; Arginine and proline metabolism; Biosynthesis of amino acids; Metabolism
Function	acetyl-CoA:L-glutamate N-acetyltransferase activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221