NAGA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAGA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) NAGA Polyclonal Antibody
Product Gene Name	anti-NAGA antibody
Product Synonym Names	NAGA Antibody; N-acetylglucosamine-6-phosphate deacetylase; GlcNAc 6-P deacetylase; EC 3.5.1.25; nagA b0677 JW0663
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain K12)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	40,949 Da
3D Structure	ModBase 3D Structure for P0AF18
Immunogen	Recombinant Escherichia coli (strain K12) nagA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NAGA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-NAGA antibody	MBS7166310 is an antibody targeting NAGA. Also known as Rabbit anti-Escherichia coli (strain K12) NAGA Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-NAGA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAGA. It may not necessarily be applicable to this product.

NCBI GI #	16128653
NCBI GeneID	945289
NCBI Accession #	NP_415203.1
UniProt Primary Accession #	P0AF18
UniProt Secondary Accession #	P15300

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	N-acetylglucosamine-6-phosphate deacetylase
NCBI Official Symbol	nagA
NCBI Official Synonym Symbols	ECK0665; JW0663
UniProt Protein Name	N-acetylglucosamine-6-phosphate deacetylase
Protein Family	Alpha-N-acetylgalactosaminidase
UniProt Gene Name	nagA
UniProt Synonym Gene Names	GlcNAc 6-P deacetylase
NCBI Protein Information	N-acetylglucosamine-6-phosphate deacetylase
NCBI Summary for NAGA	Mg(2+) stimulon-PhoPQ regulon. [More information is available at EcoGene: EG10632]. N-acetylglucosamine-6-phosphate deacetylase catalyzes the first cytoplasmic reaction in the metabolism of N-acetyl-D-glucosamine. [More information is available at EcoCyc: EG10632].
UniProt Comments for NAGA	Involved in the first step in the biosynthesis of amino-sugar-nucleotides. Catalyzes the hydrolysis of the N-acetyl group of N-acetylglucosamine-6-phosphate (GlcNAc-6-P) to yield glucosamine 6-phosphate and acetate. In vitro, can also hydrolyze substrate analogs such as N-thioacetyl-D-glucosamine-6-phosphate, N-trifluoroacetyl-D-glucosamine-6-phosphate, N-acetyl-D-glucosamine-6-sulfate, N-acetyl-D-galactosamine-6-phosphate, and N-formyl-D-glucosamine-6-phosphate.
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