NAGC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAGC, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) NAGC Polyclonal Antibody
Product Gene Name	anti-NAGC antibody
Product Synonym Names	NAGC Antibody; N-acetylglucosamine repressor nagC nagR b0676 JW0662
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	44,541 Da
3D Structure	ModBase 3D Structure for P0AF20
Immunogen	Recombinant Escherichia coli (strain K12) nagC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NAGC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-NAGC antibody	MBS7166311 is an antibody targeting NAGC. Also known as Rabbit anti-Escherichia coli (strain K12) NAGC Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-NAGC 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 NAGC. It may not necessarily be applicable to this product.

NCBI GI #	16128652
NCBI GeneID	945285
NCBI Accession #	NP_415202.1
UniProt Primary Accession #	P0AF20
UniProt Secondary Accession #	P15301

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	N-acetylglucosamine-inducible nag divergent operon transcriptional repressor
NCBI Official Symbol	nagC
NCBI Official Synonym Symbols	ECK0664; JW0662; nagR
UniProt Protein Name	N-acetylglucosamine repressor
Protein Family	N-acetylglucosamine repressor
UniProt Gene Name	nagC
UniProt Synonym Gene Names	nagR
NCBI Protein Information	N-acetylglucosamine-inducible nag divergent operon transcriptional repressor
NCBI Summary for NAGC	The NagC, "N-acetylglucosamine," transcriptional dual regulator participates in regulating the phosphotransferase system (PTS) . [More information is available at EcoCyc: EG10636].
UniProt Comments for NAGC	Acts as a repressor of the nagEBACD operon and acts both as an activator and a repressor for the transcription of the glmSU operon.
Research Articles on NAGC	**1.** This work identifies four amino acids in the linker region which allow NagC to distinguish between a C/G and an A/T bp at positions +/-11 of the operators.
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