NLPI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NLPI, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) NLPI Polyclonal Antibody
Product Gene Name	anti-NLPI antibody
Product Synonym Names	NLPI Antibody; Lipoprotein NlpI nlpI yhbM b3163 JW3132
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	33,621 Da
3D Structure	ModBase 3D Structure for P0AFB1
Immunogen	Recombinant Escherichia coli (strain K12) nlpI protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NLPI antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-NLPI antibody	MBS7164010 is an antibody targeting NLPI. Also known as Rabbit anti-Escherichia coli (strain K12) NLPI Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-NLPI 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 NLPI. It may not necessarily be applicable to this product.

NCBI GI #	16131055
NCBI GeneID	947673
NCBI Accession #	NP_417632.1
UniProt Primary Accession #	P0AFB1
UniProt Secondary Accession #	P39833; Q2M947

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	lipoprotein involved in osmotic sensitivity and filamentation
NCBI Official Symbol	nlpI
NCBI Official Synonym Symbols	ECK3151; JW3132; yhbM
UniProt Protein Name	Lipoprotein NlpI
Protein Family	Lipoprotein
UniProt Gene Name	nlpI
UniProt Synonym Gene Names	yhbM
NCBI Protein Information	lipoprotein involved in osmotic sensitivity and filamentation
NCBI Summary for NLPI	First 18 aa are a type II signal peptide. [More information is available at EcoGene: EG12371]. NlpI is a lipoprotein that appears to be involved in cell division . [More information is available at EcoCyc: EG12371].
UniProt Comments for NLPI	May be involved in cell division. May play a role in bacterial septation or regulation of cell wall degradation during cell division. Negatively controls the production of extracellular DNA (eDNA).
Research Articles on NLPI	**1.** NlpI negatively affects eDNA release since the overexpression of nlpI decreases eDNA 16 fold while deleting nlpI increases eDNA threefold.
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