NIKA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NIKA, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) NIKA Polyclonal Antibody
Product Gene Name	anti-NIKA antibody
Product Synonym Names	NIKA Antibody; Nickel-binding periplasmic protein nikA b3476 JW3441
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	58,719 Da
3D Structure	ModBase 3D Structure for P33590
Immunogen	Recombinant Escherichia coli (strain K12) nikA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NIKA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-NIKA antibody	MBS7155227 is an antibody targeting NIKA. Also known as Rabbit anti-Escherichia coli (strain K12) NIKA Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-NIKA 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 NIKA. It may not necessarily be applicable to this product.

NCBI GI #	16131348
NCBI GeneID	947981
NCBI Accession #	NP_417933.1
UniProt Primary Accession #	P33590
UniProt Secondary Accession #	Q2M7D9

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	nickel/heme ABC transporter periplasmic binding protein
NCBI Official Symbol	nikA
NCBI Official Synonym Symbols	ECK3460; hydC; hydD; JW3441
UniProt Protein Name	Nickel-binding periplasmic protein
Protein Family	Nickel-binding periplasmic protein
UniProt Gene Name	nikA
NCBI Protein Information	nickel/heme ABC transporter periplasmic binding protein
NCBI Summary for NIKA	NikA binds hemin and protoporphyrin IX (Shepherd, 2007). [More information is available at EcoGene: EG12075]. NikA is the periplasmic binding component of the nickel ABC transporter in Escherichia coli. [More information is available at EcoCyc: EG12075].
UniProt Comments for NIKA	Involved in a nickel transport system, probably represents the nickel binder.
Research Articles on NIKA	**1.** Six "NikA/iron complex" hybrids have been characterized by X-ray crystallography, and their interactions and solution properties have been studied.
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