LPTF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LPTF, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) LPTF Polyclonal Antibody
Product Gene Name	anti-LPTF antibody
Product Synonym Names	LPTF Antibody; Lipopolysaccharide export system permease protein LptF lptF yjgP b4261 JW4218
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	40,358 Da
Chromosome Location	NC_000913.2 (4484241..4485341)
3D Structure	ModBase 3D Structure for P0AF98
Immunogen	Recombinant Escherichia coli (strain K12) lptF protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LPTF antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-LPTF antibody	MBS7166350 is an antibody targeting LPTF. Also known as Rabbit anti-Escherichia coli (strain K12) LPTF Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-LPTF 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 LPTF. It may not necessarily be applicable to this product.

NCBI GI #	16132083
NCBI GeneID	948795
NCBI Accession #	NP_418682.1
UniProt Primary Accession #	P0AF98

UniProt Secondary Accession #	P39340; Q2M648
GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	lipopolysaccharide export ABC permease of the LptBFGC export complex
NCBI Official Symbol	lptF
NCBI Official Synonym Symbols	ECK4254; JW4218; yjgP
UniProt Protein Name	Lipopolysaccharide export system permease protein LptF
Protein Family	Lipopolysaccharide export system permease protein
UniProt Gene Name	lptF
UniProt Synonym Gene Names	yjgP
UniProt Entry Name	LPTF_ECOLI
NCBI Protein Information	lipopolysaccharide export ABC permease of the LptBFGC export complex
NCBI Summary for LPTF	LptF (YjgP) is an inner membrane protein with six predicted transmembrane domains. [More information is available at EcoCyc: G7888].
UniProt Comments for LPTF	Function: Part of the ABC transporter complex LptBFG involved in the translocation of lipopolysaccharide (LPS) from the inner membrane to the outer membrane. Ref.5 Subunit structure: The complex is probably composed of two ATP-binding proteins (LptB) and two transmembrane proteins (LptF and LptG). Subcellular location: Cell inner membrane; Multi-pass membrane protein. Sequence similarities: Belongs to the LptF/LptG family.
Research Articles on LPTF	**1.** both LptF and LptG formed a complex with LptB.
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