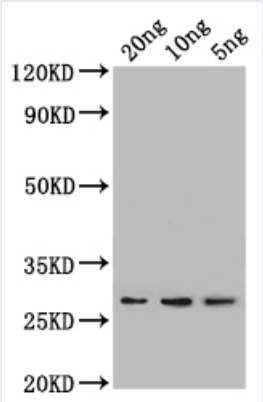
lpp Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	lpp, Polyclonal Antibody
Full Product Name	lpp Antibody
Product Gene Name	anti-lpp antibody
Product Synonym Names	Major outer membrane prolipoprotein Lpp [Cleaved into: Major outer membrane lipoprotein Lpp (Braun lipoprotein) (Murein-lipoprotein)] lpp mlpA mulI b1677 JW1667
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Escherichia coli (strain K12)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purity/Purification	Affinity-chromatography
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
3D Structure	ModBase 3D Structure for P69776
Conjugate	Non-conjugated
Immunogen	Recombinant Escherichia coli (strain K12) lpp protein (21-78aa)
Immunogen Species	Escherichia coli (strain K12)
Target Names	lpp
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-lpp antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-lpp antibody	MBS7148276 is an antibody targeting lpp. Also known as lpp Antibody. Reactive in Escherichia coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-lpp 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.



Western Blot (WB) of anti-lpp antibody
Positive WB detected in: recombinant proteinAll lanes: lpp Antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 24 kDaObserved band size: 27 kDa

ADDITIONAL DETAILS

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

NCBI GI #	16129633
NCBI GeneID	946175
NCBI Accession #	NP_416192.1
UniProt Primary Accession #	P69776
UniProt Secondary Accession #	P02937; Q53272
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	murein lipoprotein
NCBI Official Symbol	lpp
NCBI Official Synonym Symbols	ECK1673; JW1667; mlpA; mulI
UniProt Protein Name	Major outer membrane prolipoprotein Lpp
UniProt Synonym Protein Names	Major outer membrane lipoprotein LppAlternative name(s):Braun lipoprotein; Murein-lipoprotein
Protein Family	Lipoma-preferred partner
UniProt Gene Name	lpp
UniProt Synonym Gene Names	mlpA; mulI
NCBI Protein Information	murein lipoprotein
NCBI Summary for lpp	Lpp binds peptidoglycan, one third has a covalent bond to murein. [More information is available at EcoGene: EG10544]. Lpp, the major lipoprotein, is one of the most abundant proteins in Escherichia coli and is necessary for the stabilization and integrity of the bacterial cell envelope . [More information is available at EcoCyc: EG10544].
UniProt Comments for lpp	Interacts with the peptidoglycan both covalently and noncovalently. This interaction contributes to the maintenance of the structural and functional integrity of the cell envelope.
Research Articles on lpp	**1.** Here, the authors demonstrate that a mutant variant of an outer-membrane lipoprotein, Lpp(+Leu), can function as a novel allosteric effector that changes the dynamic range of DegP activity.
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