MURB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MURB, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) MURB Polyclonal Antibody
Product Gene Name	anti-MURB antibody
Product Synonym Names	MURB Antibody; UDP-N-acetylenolpyruvoylglucosamine reductase; EC 1.3.1.98; UDP-N-acetylmuramate dehydrogenase; murB yijB b3972 JW3940
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	37,851 Da
3D Structure	ModBase 3D Structure for P08373
Immunogen	Recombinant Escherichia coli (strain K12) murB protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MURB antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-MURB antibody	MBS7164770 is an antibody targeting MURB. Also known as Rabbit anti-Escherichia coli (strain K12) MURB Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-MURB 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 MURB. It may not necessarily be applicable to this product.

NCBI GI #	16131806
NCBI GeneID	948470
NCBI Accession #	NP_418403.1
UniProt Primary Accession #	P08373
UniProt Secondary Accession #	Q2M8R3

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	UDP-N-acetylenolpyruvoylglucosamine reductase, FAD-binding
NCBI Official Symbol	murB
NCBI Official Synonym Symbols	ECK3964; JW3940; yijB
UniProt Protein Name	UDP-N-acetylenolpyruvoylglucosamine reductase
UniProt Synonym Protein Names	UDP-N-acetylmuramate dehydrogenase
Protein Family	UDP-N-acetylenolpyruvoylglucosamine reductase
UniProt Gene Name	murB
UniProt Synonym Gene Names	yijB
NCBI Protein Information	UDP-N-acetylenolpyruvoylglucosamine reductase, FAD-binding
NCBI Summary for MURB	murB encodes the UDP-N-acetylenolpyruvoylglucosamine reductase which catalyzes the second committed step in the biosynthesis of peptidoglycan. [More information is available at EcoCyc: EG11205].
UniProt Comments for MURB	Cell wall formation.
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