YKGE Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	YKGE, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) YKGE Polyclonal Antibody
Product Gene Name	anti-YKGE antibody
Product Synonym Names	YKGE Antibody; Uncharacterized protein YkgE ykgE b0306 JW5041
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	26,004 Da
3D Structure	ModBase 3D Structure for P77252
Immunogen	Recombinant Escherichia coli (strain K12) ykgE protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-YKGE antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-YKGE antibody	MBS7148918 is an antibody targeting YKGE. Also known as Rabbit anti-Escherichia coli (strain K12) YKGE Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-YKGE 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 YKGE. It may not necessarily be applicable to this product.

NCBI GI #	16128291
NCBI GeneID	948438
NCBI Accession #	NP_414840.1
UniProt Primary Accession #	P77252
UniProt Secondary Accession #	Q2MCB6

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	cysteine-rich LutA family protein; putative electron transport chain YkgEFG component
NCBI Official Symbol	ykgE
NCBI Official Synonym Symbols	ECK0305; JW5041
UniProt Protein Name	Uncharacterized protein YkgE
UniProt Gene Name	ykgE
NCBI Protein Information	cysteine-rich LutA family protein; putative electron transport chain YkgEFG component
NCBI Summary for YKGE	AFMB Structural Genomics target Number 40 (http://afmb.cnrs-mrs.fr/article171.html). [More information is available at EcoGene: EG13582].
UniProt Comments for YKGE	MiscellaneousThe E.coli ykgEFG operon is a clear homolog of the B.subtilis lutABC operon, however it is not able of restoring L-lactate utilization to the B.subtilis mutant for lutABC operon. Thus, ykgEFG operon may contribute to lactate catabolism in E.coli, but under conditions other than those tested, or alternatively, the ykgEFG operon may be responsible for the catabolism of a metabolite other than (but perhaps related to) lactate in E.coli.
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