CCMC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCMC, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CCMC Polyclonal Antibody
Product Gene Name	anti-CCMC antibody
Product Synonym Names	CCMC Antibody; Heme exporter protein C; Cytochrome c-type biogenesis protein CcmC; ccmC yejT yejU b2199 JW2187
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	27,885 Da
Chromosome Location	NC_000913.2 (2293605..2294342, complement)
3D Structure	ModBase 3D Structure for P0ABM1
Immunogen	Recombinant Escherichia coli (strain K12) ccmC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CCMC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-CCMC antibody	MBS7163399 is an antibody targeting CCMC. Also known as Rabbit anti-Escherichia coli (strain K12) CCMC Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CCMC 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 CCMC. It may not necessarily be applicable to this product.

NCBI GI #	16130136
NCBI GeneID	946703
NCBI Accession #	NP_416703.1
UniProt Primary Accession #	P0ABM1

UniProt Secondary Accession #	P33929; Q2MAP4
GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	heme exporter subunit
NCBI Official Symbol	ccmC
NCBI Official Synonym Symbols	ECK2191; JW2187; yejT; yejU
UniProt Protein Name	Heme exporter protein C
UniProt Synonym Protein Names	Cytochrome c-type biogenesis protein CcmC
Protein Family	Heme exporter protein
UniProt Gene Name	ccmC
UniProt Synonym Gene Names	yejT; yejU
UniProt Entry Name	CCMC_ECOLI
NCBI Protein Information	heme exporter subunit
NCBI Summary for CCMC	CcmC is an integral membrane component of the CcmABC protoheme IX ABC transporter. [More information is available at EcoCyc: EG12057].
UniProt Comments for CCMC	Function: Required for the export of heme to the periplasm for the biogenesis of c-type cytochromes. Subcellular location: Cell inner membrane; Multi-pass membrane protein. Sequence similarities: Belongs to the CcmC/CycZ/HelC family. Sequence caution: The sequence AAA16391.1 differs from that shown. Reason: Frameshift at position 156.
Research Articles on CCMC	**1.** CcmE only interacts stably with CcmC when heme is present; thus, specific residues in each protein provide sites of interaction with heme to form this very stable complex
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