CCMD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCMD, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CCMD Polyclonal Antibody
Product Gene Name	anti-CCMD antibody
Product Synonym Names	CCMD Antibody; Heme exporter protein D; Cytochrome c-type biogenesis protein CcmD; ccmD yojM b2198 JW2186
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	7,745 Da
Chromosome Location	NC_000913.2 (2293399..2293608, complement)
3D Structure	ModBase 3D Structure for P0ABM5
Immunogen	Recombinant Escherichia coli (strain K12) ccmD protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CCMD antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-CCMD antibody	MBS7163401 is an antibody targeting CCMD. Also known as Rabbit anti-Escherichia coli (strain K12) CCMD Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CCMD 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 CCMD. It may not necessarily be applicable to this product.

NCBI GI #	16130135
NCBI GeneID	946709
NCBI Accession #	NP_416702.1
UniProt Primary Accession #	P0ABM5

UniProt Secondary Accession #	P36770; Q2MAP5
GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	cytochrome c biogenesis protein
NCBI Official Symbol	ccmD
NCBI Official Synonym Symbols	ECK2190; JW2186; yojM
UniProt Protein Name	Heme exporter protein D
UniProt Synonym Protein Names	Cytochrome c-type biogenesis protein CcmD
Protein Family	Heme exporter protein
UniProt Gene Name	ccmD
UniProt Synonym Gene Names	yojM
UniProt Entry Name	CCMD_ECOLI
NCBI Protein Information	cytochrome c biogenesis protein
NCBI Summary for CCMD	CcmD stabilizes CcmE in the membrane. [More information is available at EcoGene: EG12169]. CcmD is an integral membrane protein that stabilizes the interaction between CcmC and CcmE for transfer of heme between the two proteins . [More information is available at EcoCyc: EG12169].
UniProt Comments for CCMD	Function: Required for the export of heme to the periplasm for the biogenesis of c-type cytochromes Potential. Subcellular location: Cell inner membrane; Single-pass membrane protein Potential. Sequence similarities: Belongs to the CcmD/CycX/HelD family.
Research Articles on CCMD	**1.** a function for CcmD in protein-protein interaction or membrane protein assembly required for the heme delivery process
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