CYDC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYDC, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CYDC Polyclonal Antibody
Product Gene Name	anti-CYDC antibody
Product Synonym Names	CYDC Antibody; ATP-binding/permease protein CydC cydC mdrA mdrH surB b0886 JW0869
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	62,920 Da
Chromosome Location	NC_000913.2 (926697..928418, complement)
3D Structure	ModBase 3D Structure for P23886
Immunogen	Recombinant Escherichia coli (strain K12) cydC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CYDC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-CYDC antibody	MBS7153855 is an antibody targeting CYDC. Also known as Rabbit anti-Escherichia coli (strain K12) CYDC Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CYDC 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 CYDC. It may not necessarily be applicable to this product.

NCBI GI #	16128853
NCBI GeneID	945504
NCBI Accession #	NP_415406.1
UniProt Primary Accession #	P23886

GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	fused glutathione, cysteine exporter subunits of ABC superfamily: membrane component/ATP-binding component
NCBI Official Symbol	cydC
NCBI Official Synonym Symbols	ECK0877; JW0869; mdrA; mdrH; surB; ycaB
UniProt Protein Name	ATP-binding/permease protein CydC
Protein Family	ATP-binding/permease protein
UniProt Gene Name	cydC
UniProt Synonym Gene Names	mdrA; mdrH; surB
UniProt Entry Name	CYDC_ECOLI
NCBI Protein Information	fused glutathione, cysteine exporter subunits of ABC superfamily: membrane component/ATP-binding component
NCBI Summary for CYDC	The cydDC operon encodes two ATP-binding cassette (ABC) transporter proteins that are most closely similar to ABC transporters involved in export . [More information is available at EcoCyc: EG10012].
UniProt Comments for CYDC	Function: Somehow involved in the cytochrome D branch of aerobic respiration. Seems to be a component of a transport system. Subcellular location: Cell inner membrane; Multi-pass membrane protein Ref.8. Sequence similarities: Belongs to the ABC transporter superfamily. Cysteine exporter (TC 3.A.1.129.1) family. [View classification]Contains 1 ABC transmembrane type-1 domain.Contains 1 ABC transporter domain.
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