CHEW Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHEW, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CHEW Polyclonal Antibody
Product Gene Name	anti-CHEW antibody
Product Synonym Names	CHEW Antibody; Chemotaxis protein CheW cheW b1887 JW1876
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	18,084 Da
3D Structure	ModBase 3D Structure for P0A964
Immunogen	Recombinant Escherichia coli (strain K12) cheW protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CHEW antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-CHEW antibody	MBS7165373 is an antibody targeting CHEW. Also known as Rabbit anti-Escherichia coli (strain K12) CHEW Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CHEW 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 CHEW. It may not necessarily be applicable to this product.

NCBI GI #	16129839
NCBI GeneID	946400
NCBI Accession #	NP_416401.1
UniProt Primary Accession #	P0A964
UniProt Secondary Accession #	P07365

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	purine-binding chemotaxis protein
NCBI Official Symbol	cheW
NCBI Official Synonym Symbols	ECK1888; JW1876
UniProt Protein Name	Chemotaxis protein CheW
Protein Family	Chemotaxis protein
UniProt Gene Name	cheW
NCBI Protein Information	purine-binding chemotaxis protein
NCBI Summary for CHEW	Flagellar regulon. [More information is available at EcoGene: EG10149]. CheW is involved in the transmission of sensory signals from the methyl-accepting chemotaxis proteins (MCPs) to the flagellar motors. [More information is available at EcoCyc: EG10149].
UniProt Comments for CHEW	Involved in the transmission of sensory signals from the chemoreceptors to the flagellar motors. It physically bridges CheA to the MCPs (methyl-accepting chemotaxis proteins) to allow regulated phosphotransfer to CheY and CheB.
Research Articles on CHEW	**1.** the Tar(FO) modules demonstrate that trimerized signaling tips self-associate, bind CheA and CheW, and facilitate conversion of CheA to an active conformation.
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