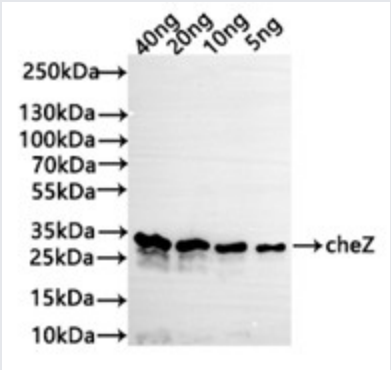
CHEZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHEZ, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) CHEZ Polyclonal Antibody
Product Gene Name	anti-CHEZ antibody
Product Synonym Names	CHEZ Antibody; Protein phosphatase CheZ; EC 3.1.3.-; Chemotaxis protein CheZ; cheZ b1881 JW1870
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain K12)
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	23,976 Da
Immunogen Sequence Positions	1-214
3D Structure	ModBase 3D Structure for P0A9H9
Immunogen	Recombinant Escherichia coli (strain K12) cheZ protein (1-214aa)
Conjugation	Non-conjugate
Modification	Unmodified
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CHEZ antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Application Notes for anti-CHEZ antibody	Recommended dilution: WB:1:500-1:5000
Related Product Information for anti-CHEZ antibody	MBS7165426 is an antibody targeting CHEZ. Also known as Rabbit anti-Escherichia coli (strain K12) CHEZ Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-CHEZ 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.



Western Blot (WB) of anti-CHEZ antibody
Positive WB detected in: recombinant proteinAll lanes: cheZ Antibody at 1:1000Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 31 kDaObserved band size: 31 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHEZ. It may not necessarily be applicable to this product.

NCBI GI #	16129833
NCBI GeneID	946392
NCBI Accession #	NP_416395.1
UniProt Primary Accession #	P0A9H9
UniProt Secondary Accession #	P07366
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	chemotaxis regulator, protein phosphatase for CheY
NCBI Official Symbol	cheZ
NCBI Official Synonym Symbols	ECK1882; JW1870
UniProt Protein Name	Protein phosphatase CheZ
UniProt Synonym Protein Names	Chemotaxis protein CheZ
Protein Family	Protein phosphatase
UniProt Gene Name	cheZ
NCBI Protein Information	chemotaxis regulator, protein phosphatase for CheY
NCBI Summary for CHEZ	Polar localization is dependent on CheA-short. [More information is available at EcoGene: EG10151]. CheZ is a cytosolic phosphatase which functions in the chemotaxis signal transduction complex. [More information is available at EcoCyc: EG10151].
UniProt Comments for CHEZ	Plays an important role in bacterial chemotaxis signal transduction pathway by accelerating the dephosphorylation of phosphorylated CheY (CheY-P).
Research Articles on CHEZ	**1.** The suitability for FRET analysis as well as functionality of fusions with SNAP- and HaloTag could be demonstrated by studying the transient interaction between chemotaxis response regulator CheY and its phosphatase CheZ
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