hisI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	hisI, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) hisI Polyclonal Antibody
Product Gene Name	anti-hisI antibody
Product Synonym Names	hisI Antibody; Histidine biosynthesis bifunctional protein HisIE [Includes: Phosphoribosyl-AMP cyclohydrolase; PRA-CH; EC 3.5.4.19; Phosphoribosyl-ATP pyrophosphatase; PRA-PH; EC 3.6.1.31)] hisI hisIE b2026 JW2008
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	22,756 Da
3D Structure	ModBase 3D Structure for P06989
Immunogen	Recombinant Escherichia coli (strain K12) hisI protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-hisI antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-hisI antibody	MBS7162265 is an antibody targeting hisI. Also known as Rabbit anti-Escherichia coli (strain K12) hisI Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-hisI 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 hisI. It may not necessarily be applicable to this product.

NCBI GI #	16129967
NCBI GeneID	946515
NCBI Accession #	NP_416530.1
UniProt Primary Accession #	P06989
UniProt Secondary Accession #	P78079; Q47596

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	phosphoribosyl-AMP cyclohydrolase and phosphoribosyl-ATP pyrophosphatase
NCBI Official Symbol	hisI
NCBI Official Synonym Symbols	ECK2021; hisE; hisIE; JW2008
UniProt Protein Name	Histidine biosynthesis bifunctional protein HisIE
Protein Family	Histidine biosynthesis bifunctional protein
UniProt Gene Name	hisI
UniProt Synonym Gene Names	hisIE; PRA-CH; PRA-PH
NCBI Protein Information	phosphoribosyl-AMP cyclohydrolase and phosphoribosyl-ATP pyrophosphatase
NCBI Summary for hisI	After four hours of Zn(II) stress, HisJ protein levels decreased (Easton, 2006). [More information is available at EcoGene: EG10451]. HisI is predicted to be a bifunctional enzyme carrying out the second and third steps in the biosynthesis of histidine. [More information is available at EcoCyc: EG10451].
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