hisG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	hisG, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) hisG Polyclonal Antibody
Product Gene Name	anti-hisG antibody
Product Synonym Names	hisG Antibody; ATP phosphoribosyltransferase; ATP-PRT; ATP-PRTase; EC 2.4.2.17; hisG b2019 JW2001
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	33,367 Da
3D Structure	ModBase 3D Structure for P60757
Immunogen	Recombinant Escherichia coli (strain K12) hisG protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-hisG antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-hisG antibody	MBS7161195 is an antibody targeting hisG. Also known as Rabbit anti-Escherichia coli (strain K12) hisG Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-hisG 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 hisG. It may not necessarily be applicable to this product.

NCBI GI #	16129960
NCBI GeneID	946549
NCBI Accession #	NP_416523.1
UniProt Primary Accession #	P60757
UniProt Secondary Accession #	P10366

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	ATP phosphoribosyltransferase
NCBI Official Symbol	hisG
NCBI Official Synonym Symbols	ECK2014; JW2001
UniProt Protein Name	ATP phosphoribosyltransferase
Protein Family	ATP phosphoribosyltransferase
UniProt Gene Name	hisG
UniProt Synonym Gene Names	ATP-PRT; ATP-PRTase
NCBI Protein Information	ATP phosphoribosyltransferase
NCBI Summary for hisG	ATP phosphoribosyltransferase (HisG) catalyzes the first step in the pathway of histidine biosynthesis. [More information is available at EcoCyc: EG10449].
UniProt Comments for hisG	Catalyzes the condensation of ATP and 5-phosphoribose 1-diphosphate to form N'-(5'-phosphoribosyl)-ATP (PR-ATP). Has a crucial role in the pathway because the rate of histidine biosynthesis seems to be controlled primarily by regulation of HisG enzymatic activity.
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