HIUH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HIUH, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) HIUH Polyclonal Antibody
Product Gene Name	anti-HIUH antibody
Product Synonym Names	HIUH Antibody; 5-hydroxyisourate hydrolase; HIU hydrolase; HIUHase; EC 3.5.2.17; Transthyretin-like protein; TLP; Transthyretin-related protein; TRP; hiuH yedX b1970 JW1953
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	15,460 Da
3D Structure	ModBase 3D Structure for P76341
Immunogen	Recombinant Escherichia coli (strain K12) hiuH protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HIUH antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-HIUH antibody	MBS7148718 is an antibody targeting HIUH. Also known as Rabbit anti-Escherichia coli (strain K12) HIUH Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-HIUH 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 HIUH. It may not necessarily be applicable to this product.

NCBI GI #	16129916
NCBI GeneID	946485
NCBI Accession #	NP_416479.1
UniProt Primary Accession #	P76341
UniProt Secondary Accession #	Q2MAZ8

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	hydroxyisourate hydrolase
NCBI Official Symbol	hiuH
NCBI Official Synonym Symbols	ECK1966; JW1953; yedX
UniProt Protein Name	5-hydroxyisourate hydrolase
UniProt Synonym Protein Names	Transthyretin-like protein; TLP; Transthyretin-related protein; TRP
Protein Family	Hydroxyisourate hydrolase
UniProt Gene Name	hiuH
UniProt Synonym Gene Names	yedX; HIU hydrolase; HIUHase; TLP; TRP
NCBI Protein Information	hydroxyisourate hydrolase
NCBI Summary for HIUH	Purified Escherichia coli HiuH(YedX) hydrolyzes 5-hydroxyisourate producing both allantoin and the intermediate 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline (OHCU) which will spontaneously decay into a racemic mixture of R- and S-allantoin but AllB allantoinase metabolizes S-allantoin only, so HiuH may also have OHCU decarboxylase activity (Lee, 2005; Hennebry, 2006). [More information is available at EcoGene: EG14046]. YedX belongs to the family of transthyretin-related proteins (TRP). [More information is available at EcoCyc: G7058].
UniProt Comments for HIUH	Catalyzes the hydrolysis of 5-hydroxyisourate (HIU) to 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline (OHCU).
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