HSLU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSLU, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) HSLU Polyclonal Antibody
Product Gene Name	anti-HSLU antibody
Product Synonym Names	HSLU Antibody; ATP-dependent protease ATPase subunit HslU; Heat shock protein HslU; Unfoldase HslU; hslU htpI b3931 JW3902
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	49,594 Da
3D Structure	ModBase 3D Structure for P0A6H5
Immunogen	Recombinant Escherichia coli (strain K12) hslU protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HSLU antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-HSLU antibody	MBS7162638 is an antibody targeting HSLU. Also known as Rabbit anti-Escherichia coli (strain K12) HSLU Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-HSLU 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 HSLU. It may not necessarily be applicable to this product.

NCBI GI #	16131769
NCBI GeneID	948430
NCBI Accession #	NP_418366.1
UniProt Primary Accession #	P0A6H5
UniProt Secondary Accession #	P32168; Q2M8M7

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	molecular chaperone and ATPase component of HslUV protease
NCBI Official Symbol	hslU
NCBI Official Synonym Symbols	clpY; ECK3923; htpI; JW3902
UniProt Protein Name	ATP-dependent protease ATPase subunit HslU
UniProt Synonym Protein Names	Heat shock protein HslU; Unfoldase HslU
Protein Family	ATP-dependent protease ATPase
UniProt Gene Name	hslU
UniProt Synonym Gene Names	htpI
NCBI Protein Information	molecular chaperone and ATPase component of HslUV protease
NCBI Summary for HSLU	An hslU deletion suppresses dnaA46(Ts). [More information is available at EcoGene: EG11881]. HslU is the ATPase component of the HslVU protease, which is composed of HslU and HslV . [More information is available at EcoCyc: EG11881].
UniProt Comments for HSLU	ATPase subunit of a proteasome-like degradation complex; this subunit has chaperone activity. The binding of ATP and its subsequent hydrolysis by HslU are essential for unfolding of protein substrates subsequently hydrolyzed by HslV. HslU recognizes the N-terminal part of its protein substrates and unfolds these before they are guided to HslV for hydrolysis.
Research Articles on HSLU	**1.** a model in which ATP hydrolysis and linked mechanical function in the HslU ring operate by a probabilistic mechanism.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-e-coli-antibody/hslu/7162638