BTSS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BTSS, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain K12) BTSS Polyclonal Antibody
Product Gene Name	anti-BTSS antibody
Product Synonym Names	BTSS Antibody; Sensor histidine kinase BtsS; EC 2.7.13.3; btsS yehU b2126 JW5353
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	62,092 Da
Chromosome Location	NC_000913.2 (2210981..2212666, complement)
3D Structure	ModBase 3D Structure for P0AD14
Immunogen	Recombinant Escherichia coli (strain K12) btsS protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BTSS antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-BTSS antibody	MBS7165976 is an antibody targeting BTSS. Also known as Rabbit anti-Escherichia coli (strain K12) BTSS Polyclonal Antibody. Reactive in E Coli (strain K12). Host: Rabbit.
Other Notes	Small volumes of anti-BTSS 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 BTSS. It may not necessarily be applicable to this product.

NCBI GI #	16130064
NCBI GeneID	949027
NCBI Accession #	NP_416630.1
UniProt Primary Accession #	P0AD14

UniProt Secondary Accession #	P33357; P76434; Q2MAV4
GenBank Nucleotide #	NC_000913.2
NCBI Official Full Name	predicted sensory kinase in two-component system with YehT, inner membrane protein
NCBI Official Symbol	yehU
NCBI Official Synonym Symbols	ECK2118; JW5353
UniProt Protein Name	Probable sensor-like histidine kinase YehU
UniProt Gene Name	yehU
UniProt Entry Name	YEHU_ECOLI
NCBI Protein Information	predicted sensory kinase in two-component system with YehT, inner membrane protein
NCBI Summary for BTSS	YehU is an inner membrane protein with six predicted transmembrane domains. [More information is available at EcoCyc: EG12007].
UniProt Comments for BTSS	Function: Probable member of a two-component regulatory system YehT/YehU. Activates YehT by phosphorylation. Ref.4 Catalytic activity: ATP + protein L-histidine = ADP + protein N-phospho-L-histidine. Subcellular location: Cell inner membrane; Multi-pass membrane protein. Post-translational modification: Autophosphorylated. Ref.4 Sequence similarities: Contains 1 histidine kinase domain.
Research Articles on BTSS	**1.** It is suggested that YehU/YehT participates in the stationary-phase control network.
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