TSAC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSAC, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli (strain UTI89/UPEC) TSAC Polyclonal Antibody
Product Gene Name	anti-TSAC antibody
Product Synonym Names	TSAC Antibody; Threonylcarbamoyl-AMP synthase; TC-AMP synthase; EC 2.7.7.87; L-threonylcarbamoyladenylate synthase; t(6)A37 threonylcarbamoyladenosine biosynthesis protein TsaC; tRNA threonylcarbamoyladenosine biosynthesis protein TsaC; tsaC rimN UTI89_C3727
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli (strain UTI89/UPEC)
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	20,641 Da
3D Structure	ModBase 3D Structure for Q1R650
Immunogen	Recombinant Escherichia coli (strain UTI89 / UPEC) tsaC protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TSAC antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-TSAC antibody	MBS7191749 is an antibody targeting TSAC. Also known as Rabbit anti-Escherichia coli (strain UTI89/UPEC) TSAC Polyclonal Antibody. Reactive in E Coli (strain UTI89/UPEC). Host: Rabbit.
Other Notes	Small volumes of anti-TSAC 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 TSAC. It may not necessarily be applicable to this product.

NCBI GI #	485652297
NCBI Accession #	WP_001297709.1
UniProt Primary Accession #	Q1R650
GenBank Nucleotide #	WP_001297709.1

NCBI Official Full Name	MULTISPECIES: L-threonylcarbamoyladenylate synthase type 1 TsaC
UniProt Protein Name	Threonylcarbamoyl-AMP synthase
UniProt Synonym Protein Names	L-threonylcarbamoyladenylate synthase
Protein Family	Threonylcarbamoyl-AMP synthase
UniProt Gene Name	tsaC
UniProt Synonym Gene Names	TC-AMP synthase
UniProt Comments for TSAC	Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) in tRNAs that read codons beginning with adenine. Catalyzes the conversion of L-threonine, HCO3-/CO2 and ATP to give threonylcarbamoyl-AMP (TC-AMP) as the acyladenylate intermediate, with the release of diphosphate.
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