MAZF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAZF, Polyclonal Antibody
Full Product Name	Rabbit anti-Escherichia coli O157:H7 MAZF Polyclonal Antibody
Product Gene Name	anti-MAZF antibody
Product Synonym Names	MAZF Antibody; Endoribonuclease MazF; EC 3.1.27.-; Toxin MazF; mRNA interferase MazF; mazF chpA Z4097 ECs3642
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	E Coli O157:H7
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Protein A/G
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	12,098 Da
3D Structure	ModBase 3D Structure for P0AE71
Immunogen	Recombinant Escherichia coli O157:H7 mazF protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAZF antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-MAZF antibody	MBS7166173 is an antibody targeting MAZF. Also known as Rabbit anti-Escherichia coli O157:H7 MAZF Polyclonal Antibody. Reactive in E Coli O157:H7. Host: Rabbit.
Other Notes	Small volumes of anti-MAZF 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 MAZF. It may not necessarily be applicable to this product.

NCBI GI #	15832896
NCBI GeneID	916551
NCBI Accession #	NP_311669.1
UniProt Primary Accession #	P0AE71
UniProt Secondary Accession #	P33645

GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	toxin ChpA
NCBI Official Symbol	ECs3642
UniProt Protein Name	Endoribonuclease MazF
UniProt Synonym Protein Names	Toxin MazF; mRNA interferase MazF
Protein Family	Endoribonuclease
UniProt Gene Name	mazF
UniProt Synonym Gene Names	chpA
NCBI Protein Information	toxin ChpA
UniProt Comments for MAZF	Toxic component of a type II toxin-antitoxin (TA) system. MazF is a sequence-specific endoribonuclease that inhibits protein synthesis and induces bacterial stasis. It is very stable, single-strand specific and cleavage is independent of the ribosome. The endoribonuclease activity (a toxin) is inhibited by the labile cognate antitoxin MazE. Toxicity results when the levels of MazE decrease in the cell, leading to mRNA degradation. Both MazE and MazE-MazF bind to the promoter region of the mazE-mazF operon to inhibit their transcription.
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