infA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	infA, Polyclonal Antibody
Full Product Name	Rabbit anti-Zea mays (Maize) infA Polyclonal Antibody
Product Gene Name	anti-infA antibody
Product Synonym Names	infA Antibody; Translation initiation factor IF-1, chloroplastic infA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Zea mays (Maize)
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	12,376 Da
3D Structure	ModBase 3D Structure for P46618
Immunogen	Recombinant Zea mays (Maize) infA protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-infA antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-infA antibody	MBS7159772 is an antibody targeting infA. Also known as Rabbit anti-Zea mays (Maize) infA Polyclonal Antibody. Reactive in Zea mays (Maize). Host: Rabbit.
Other Notes	Small volumes of anti-infA 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 infA. It may not necessarily be applicable to this product.

NCBI GI #	11467226
NCBI GeneID	845177
NCBI Accession #	NP_043058.1
UniProt Primary Accession #	P46618
UniProt Related Accession #	P46618

GenBank Nucleotide #	NC_001666.2
NCBI Official Full Name	translation initiation factor 1 (chloroplast)
NCBI Official Symbol	infA
UniProt Protein Name	Translation initiation factor IF-1, chloroplastic
Protein Family	Putative translation initiation factor
UniProt Gene Name	infA
NCBI Protein Information	translation initiation factor 1
UniProt Comments for infA	One of the essential components for the initiation of protein synthesis. Stabilizes the binding of IF-2 and IF-3 on the 30S subunit to which N-formylmethionyl-tRNA(fMet) subsequently binds. Helps modulate mRNA selection, yielding the 30S pre-initiation complex (PIC). Upon addition of the 50S ribosomal subunit IF-1, IF-2 and IF-3 are released leaving the mature 70S translation initiation complex.
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