NDHI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NDHI, Polyclonal Antibody
Full Product Name	Rabbit anti-Gossypium hirsutum (Upland cotton)(Gossypium mexicanum) NDHI Polyclonal Antibody
Product Gene Name	anti-NDHI antibody
Product Synonym Names	NDHI Antibody; NAD(P)H-quinone oxidoreductase subunit I, chloroplastic; EC 1.6.5.-; NAD(P)H dehydrogenase subunit I; NDH subunit I; NADH-plastoquinone oxidoreductase subunit I; ndhI
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Gossypium hirsutum (Upland cotton)(Gossypium mexicanum)
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	19,578 Da
3D Structure	ModBase 3D Structure for Q2L959
Immunogen	Recombinant Gossypium hirsutum (Upland cotton) (Gossypium mexicanum) ndhI protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NDHI antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-NDHI antibody	MBS7192691 is an antibody targeting NDHI. Also known as Rabbit anti-Gossypium hirsutum (Upland cotton)(Gossypium mexicanum) NDHI Polyclonal Antibody. Reactive in Gossypium hirsutum (Upland cotton)(Gossypium mexicanum). Host: Rabbit.
Other Notes	Small volumes of anti-NDHI 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 NDHI. It may not necessarily be applicable to this product.

NCBI GI #	91208952
NCBI GeneID	3989237
NCBI Accession #	YP_538986.1
UniProt Primary Accession #	Q2L959

UniProt Related Accession #	Q2L959
GenBank Nucleotide #	NC_007944.1
NCBI Official Full Name	NADH dehydrogenase subunit I (chloroplast)
NCBI Official Symbol	ndhI
NCBI Official Synonym Symbols	frxB
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit I, chloroplastic
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit I
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhI
UniProt Synonym Gene Names	NDH subunit I
NCBI Protein Information	NADH dehydrogenase 18 kDa subunit
UniProt Comments for NDHI	NDH shuttles electrons from NAD(P)H:plastoquinone, via FMN and iron-sulfur (Fe-S) centers, to quinones in the photosynthetic chain and possibly in a chloroplast respiratory chain. The immediate electron acceptor for the enzyme in this species is believed to be plastoquinone. Couples the redox reaction to proton translocation, and thus conserves the redox energy in a proton gradient.
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