DNAJC24 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DNAJC24, Polyclonal Antibody
Full Product Name	DNAJC24 Polyclonal Conjugated Antibody
Product Gene Name	anti-DNAJC24 antibody
Product Synonym Names	DNAJC24 Conjugated Antibody; DNAJC24; DPH4; JJJ3; ZCSL3; dnaJ homolog subfamily C member 24
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	9,693 Da
OMIM	611072
3D Structure	ModBase 3D Structure for Q6P3W2
Immunogen	Recombinant fusion protein of human DNAJC24 (NP_859057.4).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DNAJC24 antibody	Most Applications
Application Notes for anti-DNAJC24 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-DNAJC24 antibody	MBS9440669 is an antibody targeting DNAJC24. Also known as DNAJC24 Polyclonal Conjugated Antibody. Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-DNAJC24 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 DNAJC24. It may not necessarily be applicable to this product.

NCBI GI #	89111951
NCBI GeneID	120526
NCBI Accession #	NP_859057.4
UniProt Primary Accession #	Q6P3W2
UniProt Secondary Accession #	A8K0V0; B1ALC1; I6L9B4
UniProt Related Accession #	Q6P3W2
GenBank Nucleotide #	NM_181706.4
NCBI Official Full Name	dnaJ homolog subfamily C member 24
NCBI Official Synonym Full Names	DnaJ (Hsp40) homolog, subfamily C, member 24
NCBI Official Symbol	DNAJC24
NCBI Official Synonym Symbols	DPH4; JJJ3; ZCSL3
UniProt Protein Name	DnaJ homolog subfamily C member 24
UniProt Synonym Protein Names	CSL-type zinc finger-containing protein 3; Diphthamide biosynthesis protein 4
Protein Family	DnaJ homolog subfamily
UniProt Gene Name	DNAJC24
UniProt Synonym Gene Names	DPH4; ZCSL3
UniProt Entry Name	DJC24_HUMAN
NCBI Protein Information	dnaJ homolog subfamily C member 24; 1700030A21Rik; CSL-type zinc finger-containing protein 3; DPH4 homolog (JJJ3, S. cerevisiae); DPH4, JJJ3 homolog; diphthamide biosynthesis protein 4; zinc finger, CSL domain containing 3; zinc finger, CSL-type containin
NCBI Summary for DNAJC24	Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaebacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH4 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]).[supplied by OMIM, Mar 2008]
UniProt Comments for DNAJC24	DNAJC24: Stimulates the ATPase activity of several Hsp70-type chaperones. Belongs to the DPH4 family. Protein type: Enzyme, misc.; Chaperone Chromosomal Location of Human Ortholog: 11p13 Cellular Component: cytoskeleton; cytoplasm Molecular Function: ATPase activator activity; zinc ion binding; ferrous iron binding Biological Process: positive regulation of ATPase activity; peptidyl-diphthamide biosynthetic process from peptidyl-histidine
Research Articles on DNAJC24	**1.** immunotoxin resistance is associated with reversible CpG island methylation and silencing of DPH4 gene transcription
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