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DNAJC24 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16208c

Product Information

Application	WB, E
Primary Accession	Q6P3W2
Other Accession	NP_859057.4
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35650
Calculated MW	17139
Antigen Region	53-81

Additional Information

Gene ID	120526
Other Names	DnaJ homolog subfamily C member 24, CSL-type zinc finger-containing protein 3, Diphthamide biosynthesis protein 4, DNAJC24, DPH4, ZCSL3
Target/Specificity	This DNAJC24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-81 amino acids from the Central region of human DNAJC24.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DNAJC24 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DNAJC24 (HGNC:26979)
Synonyms	DPH4, ZCSL3

Function Stimulates the ATPase activity of several Hsp70-type chaperones. This ability is enhanced by iron-binding. The iron-bound form is redox-active and can function as electron carrier. Plays a role in the diphthamide biosynthesis, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2) which can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A (Eta).

Cellular Location Cytoplasm, cytoskeleton.

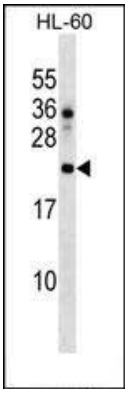
Background

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].

References

Liu, S., et al. Mol. Cell. Biol. 24(21):9487-9497(2004)

Images



DNAJC24 Antibody (Center) (Cat. #AP16208c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the DNAJC24 antibody detected the DNAJC24 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.