

**DNAJC24 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16208c**

## Specification

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### DNAJC24 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	<a href="#">O6P3W2</a>
Other Accession	<a href="#">NP_859057.4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17139
Antigen Region	53-81

### DNAJC24 Antibody (Center) - 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

#### 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.

### DNAJC24 Antibody (Center) - 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**

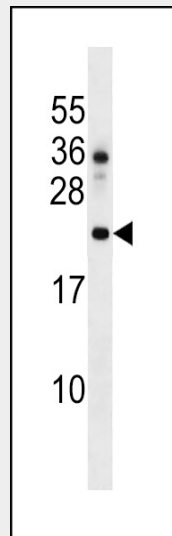
Cytoplasm, cytoskeleton.

**DNAJC24 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DNAJC24 Antibody (Center) - 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).

**DNAJC24 Antibody (Center) - Background**

Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria 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].

**DNAJC24 Antibody (Center) - References**

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