

DNAJC24 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16208c**Specification**

DNAJC24 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q6P3W2](#)**DNAJC24 Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DNAJC24 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DNAJC24 Antibody (Center) Blocking Peptide - Images

DNAJC24 Antibody (Center) Blocking Peptide - Background

Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM130610). 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) Blocking Peptide - References

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