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DNAJC19 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6542c

Specification

DNAJC19 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q96DA6

DNAJC19 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 131118

Other Names
Mitochondrial import inner membrane translocase subunit TIM14, DnaJ homolog subfamily C member 19, DNAJC19, TIM14, TIMM14

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6542c was selected from the Center region of human DNAJC19. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

DNAJC19 Antibody (Center) Blocking Peptide - Protein Information

Name DNAJC19

Synonyms TIM14, TIMM14

Function
Mitochondrial co-chaperone which forms a complex with prohibitins to regulate cardiolipin remodeling (By similarity). May be a component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. May act as a co-chaperone that stimulate the ATP-dependent activity (By similarity).

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein; Matrix side {ECO:0000250|UniProtKB:Q9CQV7}

Tissue Location
Ubiquitously expressed.

DNAJC19 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

DNAJC19 Antibody (Center) Blocking Peptide - Images

DNAJC19 Antibody (Center) Blocking Peptide - Background

DNAJC19 is a probable component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. The protein may act as a co-chaperone that stimulate the ATP-dependent activity.

DNAJC19 Antibody (Center) Blocking Peptide - References

Sparkes,R., Cardiol Young 17 (2), 215-217 (2007)Davey,K.M., J. Med. Genet. 43 (5), 385-393 (2006)Mokranjac,D., EMBO J. 22 (19), 4945-4956 (2003)