

**DNAJC5 Antibody (Center) Blocking Peptide**  
Synthetic peptide  
Catalog # BP17663c

## Specification

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### DNAJC5 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q9H3Z4](#)

### DNAJC5 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 80331

#### Other Names

DnaJ homolog subfamily C member 5, Cysteine string protein, CSP, DNAJC5, CSP

#### 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.

### DNAJC5 Antibody (Center) Blocking Peptide - Protein Information

Name DNAJC5 ([HGNC:16235](#))

#### Function

Acts as a general chaperone in regulated exocytosis (By similarity). Acts as a co-chaperone for the SNARE protein SNAP-25 (By similarity). Involved in the calcium-mediated control of a late stage of exocytosis (By similarity). May have an important role in presynaptic function. May be involved in calcium-dependent neurotransmitter release at nerve endings (By similarity).

#### Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q29455}. Membrane {ECO:0000250|UniProtKB:Q29455}; Lipid-anchor {ECO:0000250|UniProtKB:Q29455}. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane {ECO:0000250|UniProtKB:Q29455}. Melanosome. Cell membrane. Note=The association with membranes is regulated by palmitoylation (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). {ECO:0000250|UniProtKB:Q29455, ECO:0000269|PubMed:17081065}

#### Tissue Location

Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

## **DNAJC5 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **DNAJC5 Antibody (Center) Blocking Peptide - Images**

## **DNAJC5 Antibody (Center) Blocking Peptide - Background**

This gene is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. The encoded protein plays a role in membrane trafficking and protein folding, and has been shown to have anti-neurodegenerative properties. The encoded protein is known to play a role in cystic fibrosis and Huntington's disease. A pseudogene of this gene is located on the short arm of chromosome 8.

## **DNAJC5 Antibody (Center) Blocking Peptide - References**

Johnson, J.N., et al. Biochem. Cell Biol. 88(2):157-165(2010) Schmidt, B.Z., et al. J. Biol. Chem. 284(7):4168-4178(2009) Greaves, J., et al. J. Biol. Chem. 283(36):25014-25026(2008) Park, J., et al. Am. J. Respir. Cell Mol. Biol. 39(1):68-76(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)