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DNAJC5 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17663c

Specification

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).

DNAJC5 Antibody (Center) Blocking Peptide - Background

This gene is a member of the J protein family. J proteinsfunction in many cellular processes by regulating the ATPaseactivity of 70 kDa heat shock proteins. The encoded protein plays arole in membrane trafficking and protein folding, and has beenshown to have anti-neurodegenerative properties. The encodedprotein is known to play a role in cystic fibrosis and Huntington'sdisease. A pseudogene of this gene is located on the short arm ofchromosome 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)

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