

**DNAJC5 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17663c****Specification**

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**DNAJC5 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H3Z4</a>
Other Accession	<a href="#">P60905</a> , <a href="#">P60904</a> , <a href="#">Q29455</a> , <a href="#">NP_079495.1</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22149
Antigen Region	52-80

**DNAJC5 Antibody (Center) - Additional Information****Gene ID** 80331**Other Names**

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

**Target/Specificity**

This DNAJC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-80 amino acids from the Central region of human DNAJC5.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

DNAJC5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**DNAJC5 Antibody (Center) - 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

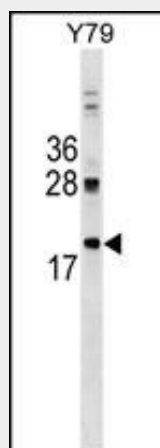
Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

### DNAJC5 Antibody (Center) - Protocols

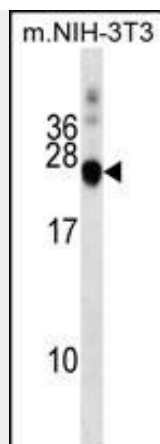
Provided below are standard protocols that you may find useful for product applications.

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

### DNAJC5 Antibody (Center) - Images



DNAJC5 Antibody (Center) (Cat. #AP17663c) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the DNAJC5 antibody detected the DNAJC5 protein (arrow).



DNAJC5 Antibody (Center) (Cat. #AP17663c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the DNAJC5 antibody detected the DNAJC5 protein (arrow).

#### **DNAJC5 Antibody (Center) - 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) - 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)