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DNAJC5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17663c

Specification

DNAJC5 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9H3Z4
Other Accession	P60905, P60904, Q29455, NP_079495.1
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}

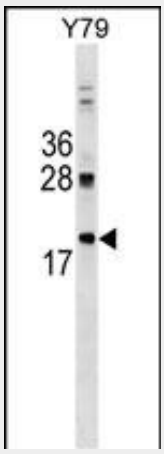
Tissue Location
Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

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 Cytomety
- 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).

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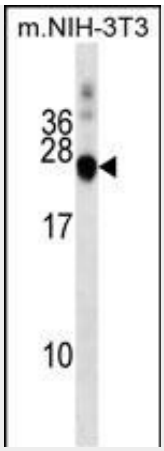

DNAJC5 Antibody (Center) (Cat. #AP17663c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the DNAJC5 antibody detected the DNAJC5 protein (arrow).

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)
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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)