

**ARG66719**  
anti-DNAJC5 / CSP antibodyPackage: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DNAJC5 / CSP
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DNAJC5 / CSP
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 131-180 of Human DNAJC5 / CSP.
Conjugation	Un-conjugated
Alternate Names	mir-941-5; mir-941-4; CLN4B; Ceroid-lipofuscinosis neuronal protein 4; mir-941-3; mir-941-2; DNAJC5A; Cysteine string protein; DnaJ homolog subfamily C member 5; CLN4; NCL; CSP

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 22 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

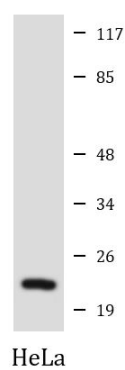
## Bioinformation

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Gene Symbol	DNAJC5
Gene Full Name	DnaJ (Hsp40) homolog, subfamily C, member 5
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. [provided by RefSeq, Nov 2010]
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). [UniProt]
Calculated Mw	22 kDa
PTM	Fatty acylated (By similarity). Heavily palmitoylated in the cysteine string motif (By similarity).  Ser-10 phosphorylation induces an order-to-disorder transition triggering the interaction with Lys-58 (PubMed:27452402). This conformational switch modulates DNAJC5's cellular functions by reducing binding to syntaxin and synaptogamin without altering HSC70 interactions (PubMed:27452402). [UniProt]
Cellular Localization	Membrane; Lipid-anchor. Melanosome. Cell membrane. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [UniProt]

## Images

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ARG66719 anti-DNAJC5 / CSP antibody WB image

Western blot: HeLa cell lysate stained with ARG66719 anti-DNAJC5 / CSP antibody.