

ARG66719 anti-DNAJC5 / CSP antibody

Package: 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	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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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

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

