

Rabbit DNAJC5 Polyclonal Antibody | anti-DNAJC5 antibody

DNAJC5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324683	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

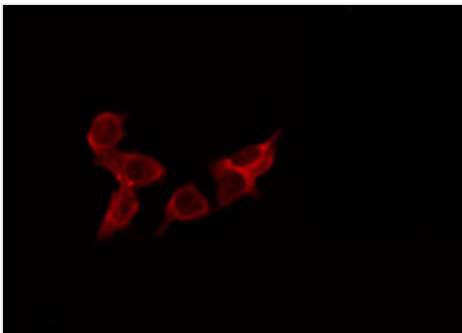
PRODUCT SYNONYMS

DNAJC5; Polyclonal Antibody; DNAJC5 Antibody; CLN 4; CLN4; CLN4B; CSP; cysteine string protein alpha; Cysteine string protein; DJC5; DnaJ (Hsp40) homolog subfamily C member 5; DnaJ homolog subfamily C member 5; DNAJC 5; Dnajc5; DNAJC5A; DNJC5_HUMAN; NCL; anti-DNAJC5 antibody

PRODUCT SPECIFICATIONS

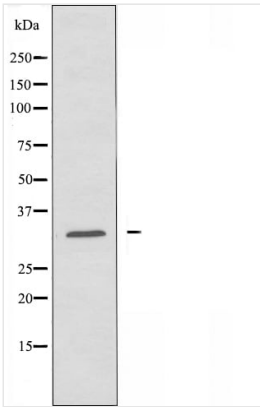
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DNAJC5 antibody detects endogenous levels of total DNAJC5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	198
Applicable Applications for anti-DNAJC5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Tissue Specificity	Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (91%), Horse (100%), Sheep (100%), Rabbit (90%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324683 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat using DNAJC5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJC5 antibody

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).
Subunit Structure: Oligomers (PubMed:27452402). Homodimer (By similarity). Interacts with the chaperone complex consisting of HSC70 and SGTA (By similarity). Interacts with ZDHHC13 (via ANK repeats) (By similarity). Interacts with ZDHHC17 (via ANK repeats) (PubMed:28882895). Interacts with SYT1, SYT5 and SYT7, and with SYT9, forming a complex with SNAP25 (By similarity).
Post-translational Modifications: 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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	45504382
NCBI GeneID	80331
NCBI Accession #	NP_079495.1
NCBI GenBank Nucleotide #	NM_025219.2
UniProt Accession #	Q9H3Z4; Q9H3Z5; Q9H7H2; A8K0M0; B3KY68; E1P5G8
Molecular Weight	Observed: 30 kD Predicted: 23 kDa
NCBI Official Full Name	dnaJ homolog subfamily C member 5
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member C5
NCBI Official Symbol	DNAJC5
NCBI Official Synonym Symbols	CSP; NCL; CLN4; CLN4B; DNAJC5A; mir-941-2; mir-941-3; mir-941-4; mir-941-5
NCBI Protein Information	dnaJ homolog subfamily C member 5
UniProt Protein Name	DnaJ homolog subfamily C member 5
UniProt Gene Name	DNAJC5
UniProt Synonym Gene Names	CSP1 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dnajc5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324683>