

DATASHEET

DNAJC10 Rabbit Polyclonal Antibody

CAT. NO. APA14072

KEY FEATURES

Target	DNAJC10	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Endoplasmic reticulum disulfide reductase that collaborates directly with the chaperone BIP/HSPA5 (GRP78) to maintain protein quality control by facilitating either the correct folding or the targeted degradation of misfolded proteins to maintain protein quality control by facilitating either the correct folding or the targeted degradation of misfolded proteins. Essential for efficient maturation of newly synthesized polypeptides in the endoplasmic reticulum, binds to substrate proteins and specifically catalyzes the reduction and removal of improper (non-native) disulfide bonds during the folding process.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to DNAJC10
Specificity	Recognizes endogenous levels of DNAJC10 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DNAJC10
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 37; Observed: 91 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ERDJ5; DnaJ homolog subfamily C member 10; Endoplasmic reticulum DNA J domain-containing protein 5; ER-resident protein ERdj5; ERdj5; Macrothioredoxin; MTHr
Gene Symbol	DNAJC10
Entrez Gene	54431(Human); 66861(Mouse); 295690(Rat)
SwissProt	Q8IXB1(Human); Q9DC23(Mouse); Q498R3(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

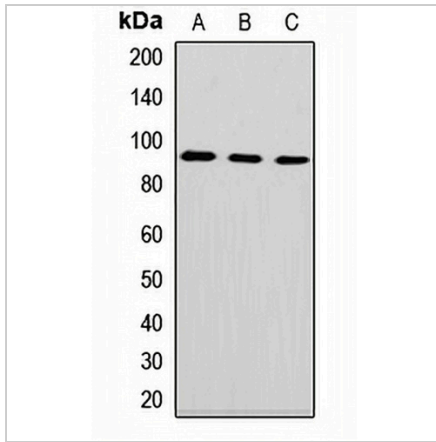
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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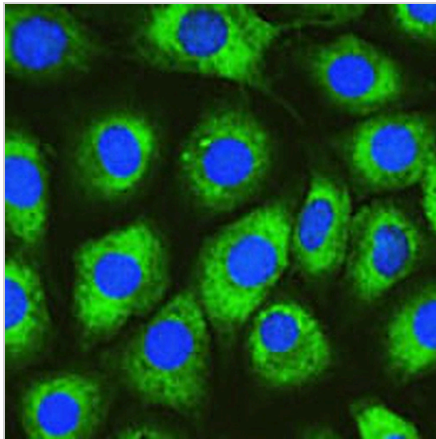
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Western blot analysis of DNAJC10 expression in HT29 (A), SKOV3 (B), Raji (C) whole cell lysates. (Predicted band size: 37; 86; 91 kD; Observed band size: 91 kD)



Immunofluorescent analysis of DNAJC10 staining in L929 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.