ARG45195
anti-DNAJC10 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DNAJC10
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	DNAJC10
Species	Human
Immunogen	Recombinant protein containing to human DNAJC10.
Conjugation	Un-conjugated
Alternate Names	DNAJC10; DnaJ Heat Shock Protein Family (Hsp40) Member C10; ERdj5; PDIA19; Endoplasmic Reticulum DNA J Domain-Containing Protein 5; Protein Disulfide Isomerase Family A, Member 19; DnaJ (Hsp40) Homolog, Subfamily C, Member 10; DnaJ Homolog Subfamily C Member 10; ER-Resident Protein ERdj5; Macrothioredoxin; MTHr; J-Domain-Containing Protein Disulfide Isomerase-Like Protein 3; EC 1.8.4.-; ERDJ5; JPDI_x000D_

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	91 kDa

Properties

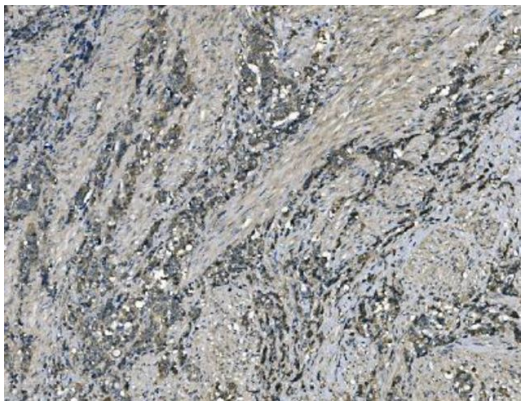
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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 or below. 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

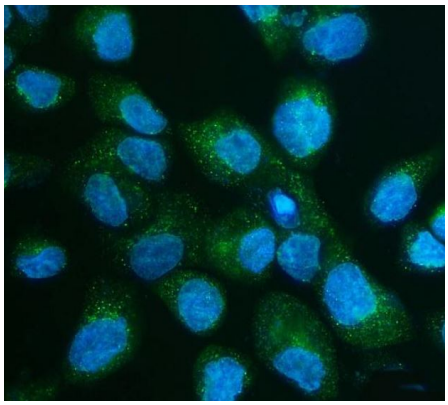
Gene Symbol	DNAJC10
Gene Full Name	DnaJ Heat Shock Protein Family (Hsp40) Member C10
Background	This gene encodes an endoplasmic reticulum co-chaperone which is part of the endoplasmic reticulum-associated degradation complex involved in recognizing and degrading misfolded proteins. The encoded protein reduces incorrect disulfide bonds in misfolded glycoproteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]
Function	Endoplasmic reticulum disulfide reductase involved both in the correct folding of proteins and degradation of misfolded proteins. Required for efficient folding of proteins in the endoplasmic reticulum by catalyzing the removal of non-native disulfide bonds formed during the folding of proteins, such as LDLR. Also involved in endoplasmic reticulum-associated degradation (ERAD) by reducing incorrect disulfide bonds in misfolded glycoproteins recognized by EDEM1. Interaction with HSPA5 is required its activity, not for the disulfide reductase activity, but to facilitate the release of DNAJC10 from its substrate. Promotes apoptotic signaling pathway in response to endoplasmic reticulum stress.. [UniProt]
Calculated Mw	91 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum. [UniProt]

Images



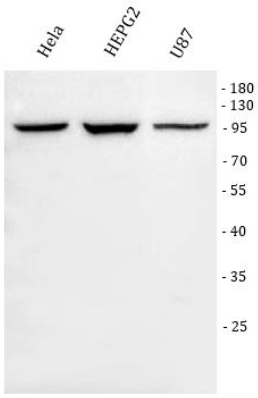
ARG45195 anti-DNAJC10 antibody IHC-P image

Immunohistochemistry: Human gastric cancer stained with ARG45195 anti-DNAJC10 antibody at 2 µg/ml dilution.



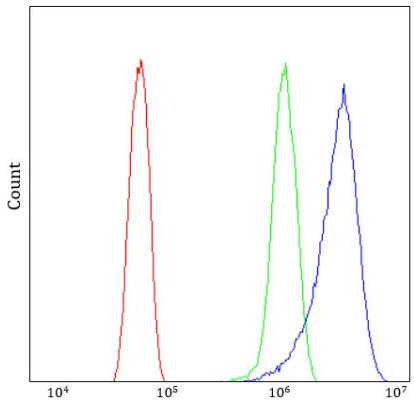
ARG45195 anti-DNAJC10 antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45195 anti-DNAJC10 antibody at 5 ug/ml dilution.



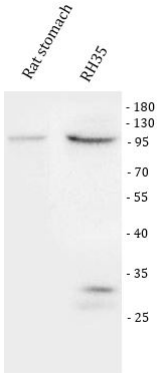
ARG45195 anti-DNAJC10 antibody WB image

Western blot: Hela, HEPG2, and U87 stained with ARG45195 anti-DNAJC10 antibody at 0.5 µg/ml dilution.



ARG45195 anti-DNAJC10 antibody FACS image

Flow Cytometry: Hela stained with ARG45195 anti-DNAJC10 antibody at 1 µg/10^6 cells dilution.



ARG45195 anti-DNAJC10 antibody WB image

Western blot: Rat stomach and RH35 stained with ARG45195 anti-DNAJC10 antibody at 0.5 µg/ml dilution.

ARG45195 anti-DNAJC10 antibody WB image

Western blot: Mouse stomach and HEPA1-6 stained with ARG45195 anti-DNAJC10 antibody at 0.5 µg/ml dilution.