

ARG56900 anti-Hsp 40 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Hsp 40
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Hsp 40
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-340 of Human Hsp 40 (NP_006136.1).
Conjugation	Un-conjugated
Alternate Names	Hsp40; HSP40; DnaJ protein homolog 1; hDj-1; HSPF1; Human DnaJ protein 1; Hdj1; RSPH16B; Heat shock 40 kDa protein 1; DnaJ homolog subfamily B member 1; Heat shock protein 40; Sis1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	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.	
Positive Control	Rat testis, Mouse thymus and BxPC-3	
Observed Size	40 kDa	

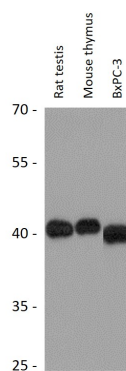
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

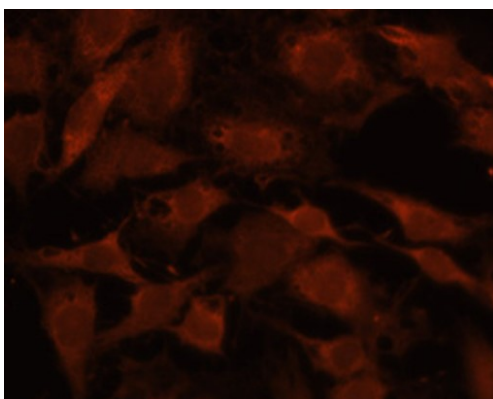
Gene Symbol	DNAJB1
Gene Full Name	DnaJ (Hsp40) homolog, subfamily B, member 1
Background	This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Function	Interacts with HSP70 and can stimulate its ATPase activity. Stimulates the association between HSC70 and HIP. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock. [UniProt]

Images



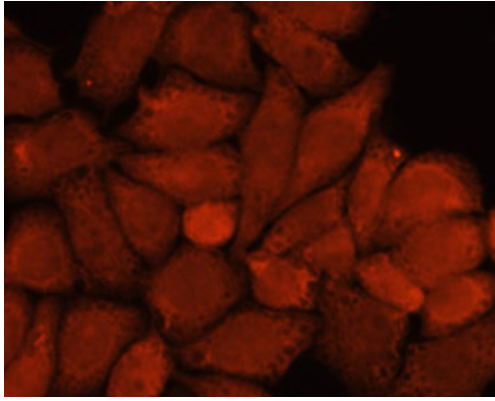
ARG56900 anti-Hsp 40 antibody WB image

Western blot: 25 µg of Rat testis, Mouse thymus and BxPC-3 cell lysates stained with ARG56900 anti-Hsp 40 antibody at 1:1000 dilution through one-step method.



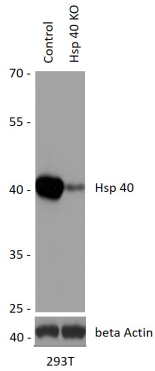
ARG56900 anti-Hsp 40 antibody ICC/IF image

Immunofluorescence: C6 cells stained with ARG56900 anti-Hsp 40 antibody at 1:100 dilution.



ARG56900 anti-Hsp 40 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG56900 anti-Hsp 40 antibody at 1:100 dilution.



ARG56900 anti-Hsp 40 antibody WB image

Western blot: Extracts from normal (Control) and Hsp 40 knockout (KO) 293T cells, using ARG56900 anti-Hsp 40 antibody at 1:1000 dilution.