

# Product datasheet

info@arigobio.com

# 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

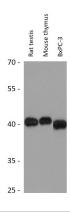
and HIP. [UniProt]

Calculated Mw 38 kDa

Cellular Localization Cytoplasm. Nucleus. Nucleus. Nucleolus. Note=Translocates rapidly from the cytoplasm to the nucleus,

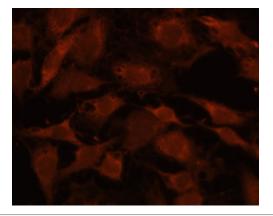
and especially to the nucleoli, upon heat shock. [UniProt]

#### **Images**



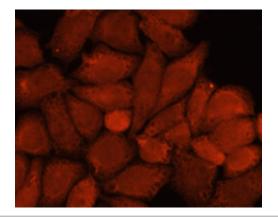
#### ARG56900 anti-Hsp 40 antibody WB image

Western blot: 25  $\mu g$  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.



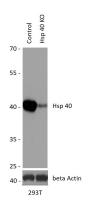
#### ARG56900 anti-Hsp 40 antibody ICC/IF image

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.