

## ARG44652 anti-Hsp 40 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes Hsp 40
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Hsp 40
Species	Human
Conjugation	Un-conjugated
Alternate Names	DNAJB1; DnaJ Heat Shock Protein Family (Hsp40) Member B1; RSPH16B; Hsp40; HSPF1; Sis1; DnaJ (Hsp40) Homolog, Subfamily B, Member 1; DnaJ Homolog Subfamily B Member 1; Heat Shock 40 KDa Protein 1; DnaJ Protein Homolog 1; Human DnaJ Protein 1; Radial Spoke 16 Homolog B (Chlamydomonas); Radial Spoke 16 Homolog B; Heat Shock Protein 40; DNAJ1; HSP40; HDj-1; Hdj1; HDJ1

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

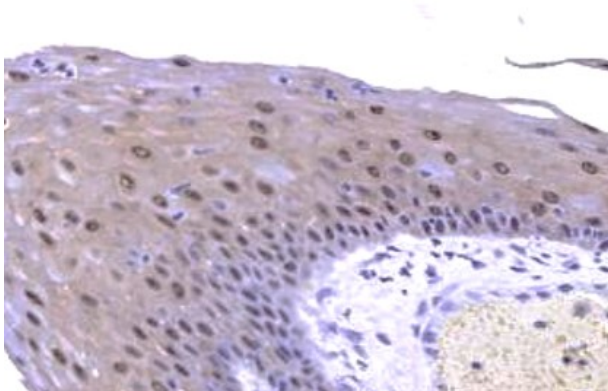
### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
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

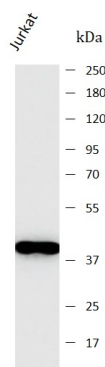
Gene Symbol	DNAJB1
Gene Full Name	DnaJ Heat Shock Protein Family (Hsp40) Member B
Background	This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function 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	Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro). [UniProt]
Calculated Mw	38 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm, Nucleus. [UniProt]

## Images



ARG44652 anti-Hsp 40 antibody IHC-P image

Immunohistochemistry: Human Esophagus stained with ARG44652 anti-Hsp 40 antibody at 5 µg/mL dilution.



ARG44652 anti-Hsp 40 antibody WB image

Western blot: Jurkat, HepG2 and HeLa stained with ARG44652 anti-Hsp 40 antibody at 1 µg/mL dilution.

### ARG44652 anti-Hsp 40 antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5  $\mu$ g of ARG44652 anti-Hsp 40 antibody.

