

ARG22196 anti-Hsp 40 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Hsp 40
Tested Reactivity	Hu
Tested Application	ICC/IF, IP, WB
Specificity	Detects ~40kDa.
Host	Rabbit
Clonality	Polyclonal
Target Name	Hsp 40
Species	Human
Immunogen	Recombinant purified Human HSP40
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	1:100
	IP	Assay-dependent
	WB	1:2000

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

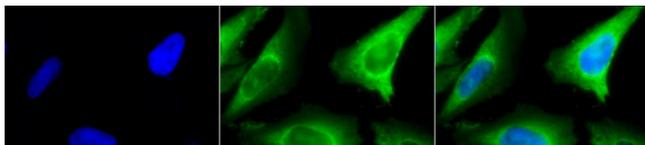
Properties

Form	Liquid
Purification	Rabbit antiserum.
Buffer	Rabbit Antiserum
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

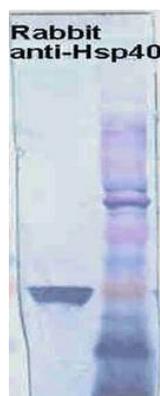
Database links	GeneID: 3337 Human Swiss-port # P25685 Human
Gene Symbol	DNAJB1
Gene Full Name	DnaJ (Hsp40) homolog, subfamily B, member 1
Background	This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved 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

Images



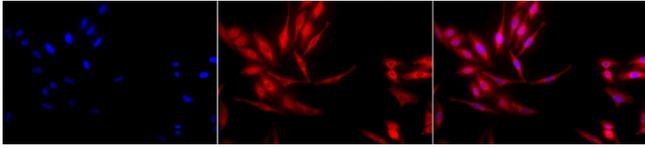
ARG22196 anti-Hsp 40 antibody ICC/IF image

Immunocytochemistry: 2% Formaldehyde (20 min at RT) fixed Heat Shocked HeLa cells stained with ARG22196 anti-Hsp 40 antibody (green) at 1:100 dilution (12 hours at 4°C). Counterstain: DAPI (blue) nuclear stain at 1:40000 for 120 min at RT. Magnification: 100x. Left: DAPI (blue) nuclear stain, Middle: Primary antibody, Right: Composite.



ARG22196 anti-Hsp 40 antibody WB image

Western blot: Human HeLa cell lysates stained with ARG22196 anti-Hsp 40 antibody at 1:1000 dilution.



ARG22196 anti-Hsp 40 antibody ICC/IF image

Immunocytochemistry: 2% Formaldehyde (20 min at RT) fixed Heat Shocked HeLa cells stained with ARG22196 anti-Hsp 40 antibody (red) at 1:100 dilution (12 hours at 4°C). Counterstain: DAPI (blue) nuclear stain at 1:40000 for 120 min at RT. Magnification: 20x. Left: DAPI (blue) nuclear stain, Middle: Primary antibody, Right: Composite.
