

## ARG55373 anti-Hsc 70 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Hsc 70
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Bov, Chk, Hm
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Hsc 70
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 82-110 (N-terminus) of Human Hsc 70.
Conjugation	Un-conjugated
Alternate Names	NIP71; HEL-33; HSPA10; LAP-1; HSC70; HSC71; LAP1; Lipopolysaccharide-associated protein 1; Heat shock 70 kDa protein 8; HSC54; HEL-S-72p; Heat shock cognate 71 kDa protein; HSP71; HSP73; LPS-associated protein 1

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	ICC/IF	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	

### Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) 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

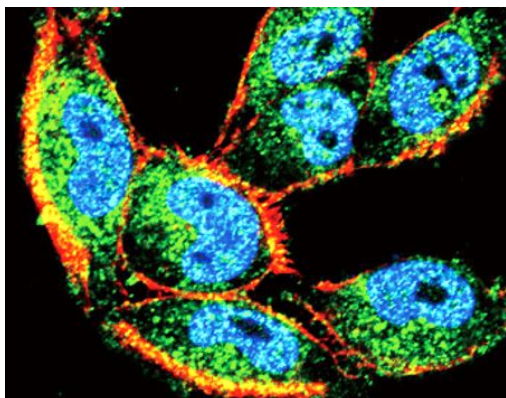
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

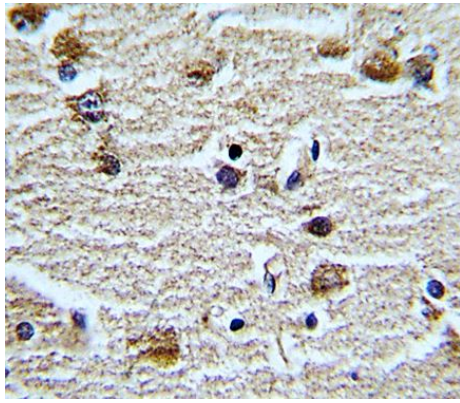
Database links	<a href="#">GeneID: 24468 Rat</a> <a href="#">GeneID: 3312 Human</a> <a href="#">Swiss-port # P11142 Human</a> <a href="#">Swiss-port # P63018 Rat</a>
Gene Symbol	HSPA8
Gene Full Name	heat shock 70kDa protein 8
Background	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Function	Acts as a repressor of transcriptional activation. Inhibits the transcriptional coactivator activity of CITED1 on Smad-mediated transcription. Chaperone. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes. Participates in the ER-associated degradation (ERAD) quality control pathway in conjunction with J domain-containing co-chaperones and the E3 ligase CHIP. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	71 kDa
PTM	Acetylated. ISGylated. Trimethylation at Lys-561 reduces fibrillar SNCA binding.
Cellular Localization	Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock

## Images



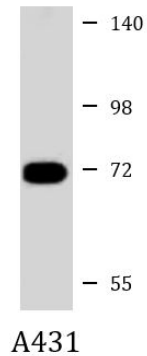
ARG55373 anti-Hsc 70 antibody ICC/IF image

Immunofluorescence: A2058 cells stained with ARG55373 anti-Hsc 70 antibody (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI (blue) for nuclear staining.



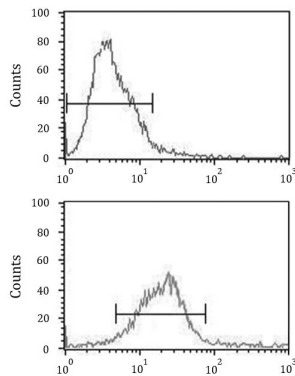
ARG55373 anti-Hsc 70 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG55373 anti-Hsc 70 antibody.



ARG55373 anti-Hsc 70 antibody WB image

Western blot: 35 µg of A431 cell lysate stained with ARG55373 anti-Hsc 70 antibody at 1:1000 dilution.



ARG55373 anti-Hsc 70 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG55373 anti-Hsc 70 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.