

## ARG44585 anti-Hsp 70 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Monoclonal antibody recognizes Hsp 70
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Target Name	Hsp 70
Species	Human
Immunogen	Synthetic peptide corresponding to internal region of human Hsp 70.
Conjugation	Un-conjugated
Alternate Names	HSPA1A; Heat Shock Protein Family A (Hsp70) Member 1A; HSP70-1; HSPA1; Heat Shock 70 KDa Protein 1A; Heat Shock 70kDa Protein 1A; Heat Shock 70 KDa Protein 1; Heat Shock 70kD Protein 1A; HSP70.1; HSP72; Epididymis Secretory Sperm Binding Protein; DnaK-Type Molecular Chaperone HSP70-1; Epididymis Secretory Protein Li 103; Heat Shock 70 KDa Protein 1A/1B; Heat Shock 70 KDa Protein 1/2; Heat Shock 70 KDa Protein 1B; Heat Shock 70 KDa Protein 2; Heat Shock-Induced Protein; HSP70-1/HSP70-2; HSP70.1/HSP70.2; HEL-S-103; HSP70-1A; HSP70-2; HSP70.2 ; HSP70I; HSP70; HSX70

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50-1:200
	IHC-P	1:50-1:100
	WB	1:500-1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity Purified
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
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.

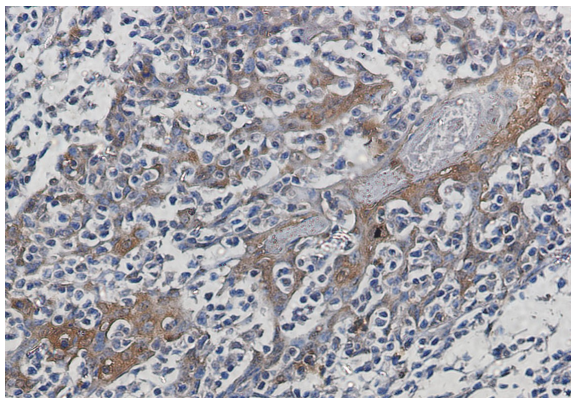
## Bioinformation

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Gene Symbol	HSPA1A
Gene Full Name	Heat Shock Protein Family A (Hsp70) Member 1A
Background	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq, Jul 2008]
Function	Involved in the clearance of misfolded PRDM1/Blimp-1 proteins. Sequesters them in the cytoplasm and promotes their association with SYN1/HRD1, leading to proteasomal degradation. [UniProt]
Calculated Mw	70 kDa
PTM	Acetylation, Methylation, Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm, Cytoskeleton, Nucleus, Secreted. [UniProt]

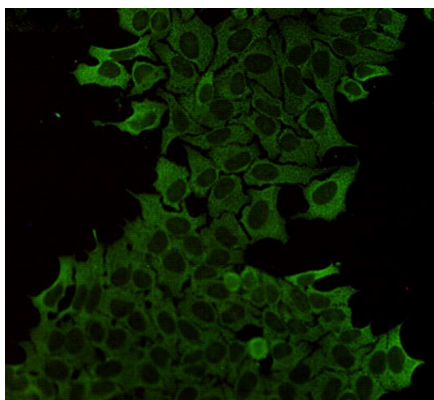
## Images

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ARG44585 anti-Hsp 70 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG44585 anti-Hsp 70 antibody at dilution.

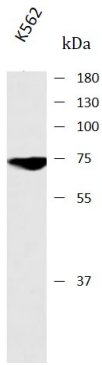


ARG44585 anti-Hsp 70 antibody ICC/IF image

Immunofluorescence: Hsp70 stained with ARG44585 anti-Hsp 70 antibody.

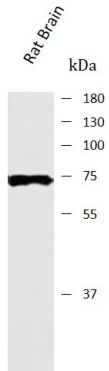
ARG44585 anti-Hsp 70 antibody WB image

Western blot: K562 stained with ARG44585 anti-Hsp 70 antibody.



ARG44585 anti-Hsp 70 antibody WB image

Western blot: Rat Brain stained with ARG44585 anti-Hsp 70 antibody.



ARG44585 anti-Hsp 70 antibody WB image

Western blot: 3T3 stained with ARG44585 anti-Hsp 70 antibody.

