

ARG67139 anti-Hsp 70 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Hsp 70
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	3G10
Target Name	Hsp 70
Species	Human
Immunogen	HSP70 C-terminal of Human protein
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.; 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	1:200 - 1:1000
	IHC-P	1:100 - 1:300
	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.	

Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% Sodium azide, 0.5% BSA and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA, 50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

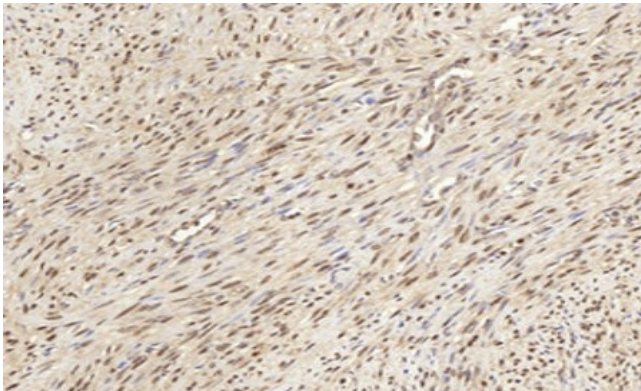
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

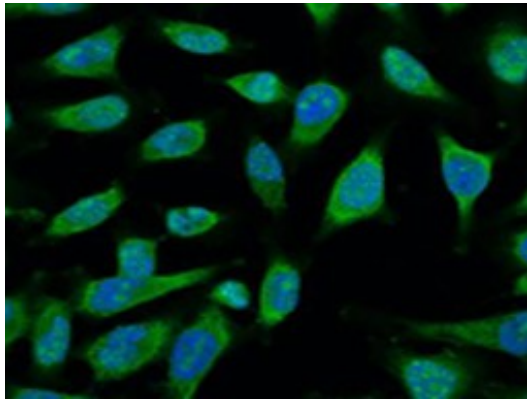
Gene Symbol	HSPA1A
Gene Full Name	heat shock 70kDa protein 1A
Background	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates 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 SYNV1/HRD1, leading to proteasomal degradation. [UniProt]
Highlight	Related products: Hsp70 antibodies ; Hsp70 ELISA Kits ; Related poster download: The Structure & Functions of Mitochondria.pdf
Calculated Mw	70 kDa
PTM	Acetylation, Methylation, Phosphoprotein. [UniProt]
Cellular Localization	Cellular component, Cytoplasm, Cytoskeleton, Nucleus, Secreted. [UniProt]

Images



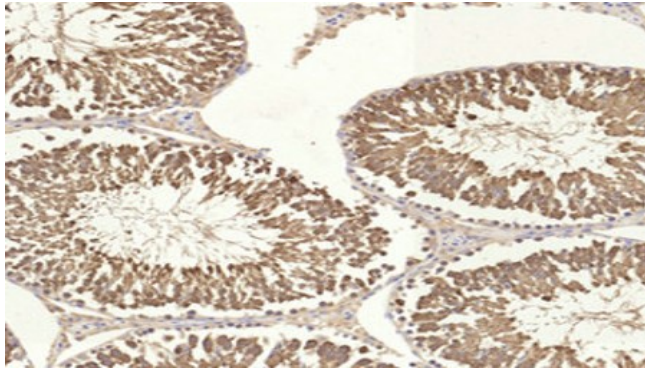
ARG67139 anti-Hsp 70 antibody IHC-P image

Immunohistochemistry: Human-uterus-cancer stained with ARG67139 anti-Hsp 70 antibody at 1:200 dilution.



ARG67139 anti-Hsp 70 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG67139 anti-Hsp 70 antibody at 1:100 dilution.



ARG67139 anti-Hsp 70 antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG67139 anti-Hsp 70 antibody at 1:200 dilution.
