

ARG64012 anti-Hsc 70 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Hsc 70
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_006588.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Hsc 70
Species	Human
Immunogen	C-EKLQGKINDEKQK
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
	ICC/IF	10 µg/ml
	IHC-P	5 µg/ml
	WB	0.03 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

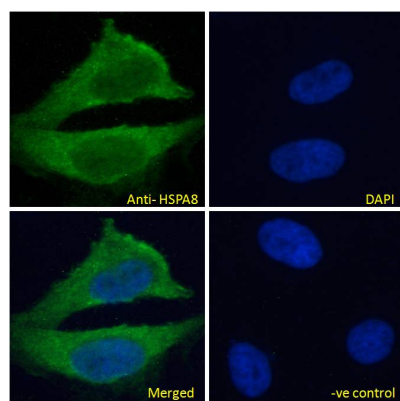
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 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

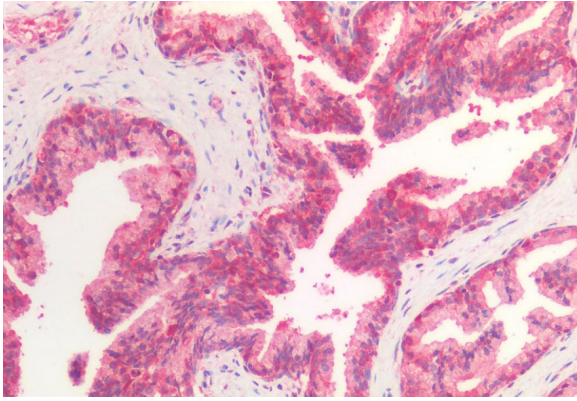
Database links	GeneID: 15481 Mouse GeneID: 3312 Human Swiss-port # P11142 Human Swiss-port # P63017 Mouse
Background	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which 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]
Research Area	Signaling Transduction antibody
Calculated Mw	71 kDa
PTM	Acetylated. ISGylated. Trimethylation at Lys-561 reduces fibrillar SNCA binding.

Images



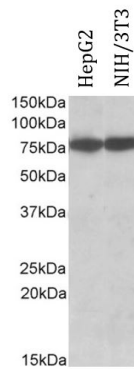
ARG64012 anti-Hsc 70 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde-fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG64012 anti-Hsc 70 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized Goat IgG (green) at 10 µg/ml dilution.



ARG64012 anti-Hsc 70 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64012 anti-Hsc 70 antibody at 5 µg/ml dilution followed by AP-staining.



ARG64012 anti-Hsc 70 antibody WB image

Western blot: 35 µg of HepG2 and NIH/3T3 cell lysates (in RIPA buffer) stained with ARG64012 anti-Hsc 70 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.