

ARG54443 anti-Hsc 70 antibody [1B5]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [1B5] recognizes Hsc 70
Tested Reactivity	Hu, Ms, Rat, Bov, Chk, Dog, Gpig, Hm, Mk, Pig, Rb, Sheep
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	This antibody detects a 73 kDa protein on HeLa Heat Shocked Cell Lysate SDS-PAGE immunoblots, corresponding to the molecular weight of Hsc70. This antibody reacts with human, monkey, mouse, hamster, guinea pig, rat, rabbit, bovine, shep, pig, dog, and chicken Hsc70.
Host	Rat
Clonality	Monoclonal
Clone	1B5
Isotype	IgG2a
Target Name	Hsc 70
Species	Hamster
Immunogen	Hsc70 purified from sodium arsenite treated heat-resistant variants of Chinese hamster cells.
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	5 µg/ml
	IHC-P	5 µg/ml
	IP	5 µg/ml
	WB	0.1 -1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Protein G Purified
Buffer	PBS (pH 7.2) and 0.1mM PMSF in 50% Glycerol
Stabilizer	0.1mM PMSF in 50% Glycerol

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. 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	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 (By similarity). Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion. Participates in the ER-associated degradation (ERAD) quality control pathway in conjunction with J domain-containing co-chaperones and the E3 ligase CHIP (By similarity). [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	71 kDa
PTM	Acetylated. ISGylated. Trimethylation at Lys-561 reduces fibrillar SNCA binding.