Rabbit Hsc70 Polyclonal Antibody | anti-Hsc70 antibody

Hsc70 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29879	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunocytochemistry, Immunohistochemistry**

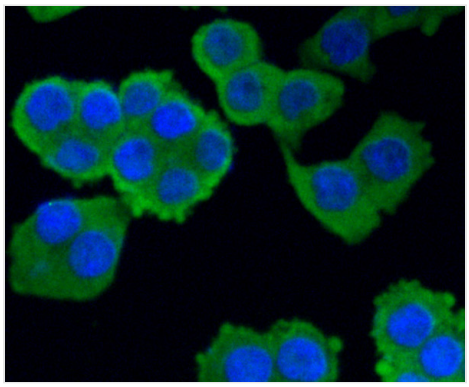
PRODUCT SYNONYMS

Hsc70; Polyclonal Antibody; Hsc70 Antibody; 2410008N15Rik antibody; Constitutive heat shock protein 70 antibody; Epididymis luminal protein 33 antibody; Epididymis secretory sperm binding protein Li 72p antibody; Heat shock 70 kDa protein 8 antibody; Heat shock 70kD protein 10 antibody; Heat shock 70kD protein 8 antibody; Heat shock 70kDa protein 8 antibody; Heat shock cognate 71 kDa protein antibody; Heat shock cognate protein 54 antibody; Heat shock cognate protein 71 kDa antibody; Heat shock protein 8 antibody; Heat shock protein A8 antibody; Heat shock protein family A (Hsp70) member 8 antibody; Heat-shock70-KD protein 10; formerly antibody; HEL 33 antibody; HEL S 72p antibody; HSC54 antibody; HSC71 antibody; Hsc73 antibody; HSP71 antibody; HSP73 antibody; HSP7C_HUMAN antibody; HSPA10 antibody; HSPA8 antibody; LAP1 antibody; Lipopolysaccharide associated protein 1 antibody; LPS associated protein 1 antibody; LPS associated protein antibody; MGC102007 antibody; MGC106514 antibody; MGC114311 antibody; MGC118485 antibody; MGC131511 antibody; MGC29929 antibody; N-myristoyltransferase inhibitor protein 71 antibody; NIP71 antibody; anti-Hsc70 antibody

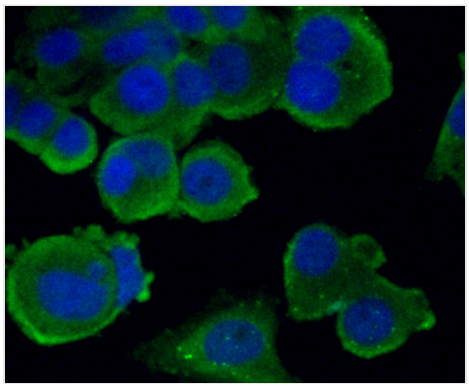
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Hsc70 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:1000 IHC: 1:50-1:200 ICC: 1:50-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

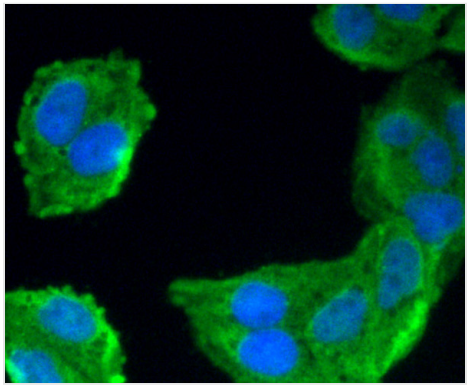
IMAGES



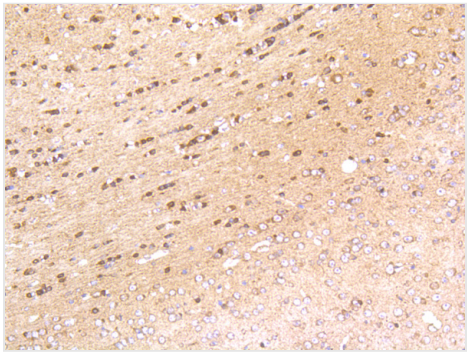
ICC (Immunocytochemistry)
ICC staining HSC70 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



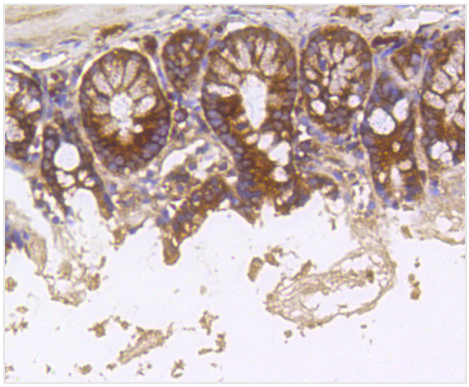
ICC (Immunocytochemistry)
ICC staining HSC70 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



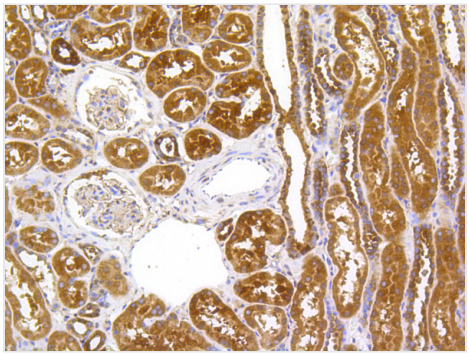
ICC (Immunocytochemistry)
ICC staining HSC70 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti- HSC70 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti- HSC70 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HSC70 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-Hsc70 antibody	The HSP 70 family is composed of four highly conserved proteins: HSP 70, HSC 70, GRP 75 and GRP 78. These proteins serve a variety of roles: they act as molecular chaperones facilitating the assembly of multi-protein complexes, participate in the translocation of polypeptides across cell membranes and to the nucleus, and aid in the proper folding of nascent polypeptide chains. All members of the family, except HSP 70, are constitutively expressed in primate cells. HSP 70 expression is strongly induced in response to heat stress. HSP 70 and HSC 70 play key roles in the cytosolic endoplasmic reticulum and mitochondrial import machinery and are found in both the cytosol and nucleus of mammalian cells. Both HSP 70 and HSC 70 are involved in the chaperoning of nascent polypeptide chains and in protecting cells against the accumulation of improperly folded proteins. GRP 78 is localized in the endoplasmic reticulum, where it receives imported secretory proteins and is involved in the folding and translocation of nascent peptide chains. GRP 75 expression is restricted to the mitochondrial matrix and aids in the translocation and folding of nascent polypeptide chains of both nuclear and mitochondrial origin. GRP 75 and GRP 78 are unresponsive to heat stress and are induced by glucose deprivation. It has been postulated that members of the HSP 70 family act as force-generating motors, relying on the hydrolysis of ATP for their activity.
Product Categories/Family for anti-Hsc70 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729877
NCBI GeneID	3312
NCBI Accession #	NP_006588.1
NCBI GenBank Nucleotide #	NM_006597.4
UniProt Accession #	P11142; Q9H3R6
Molecular Weight	70,898 Da
NCBI Official Full Name	heat shock cognate 71 kDa protein isoform 1
NCBI Official Synonym Full Names	heat shock 70kDa protein 8
NCBI Official Symbol	HSPA8
NCBI Official Synonym Symbols	LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; NIP71; HSPA10
NCBI Protein Information	heat shock cognate 71 kDa protein; LPS-associated protein 1; heat shock 70kd protein 10; heat shock cognate protein 54; constitutive heat shock protein 70; lipopolysaccharide-associated protein 1; N-myristoyltransferase inhibitor protein 71
UniProt Protein Name	Heat shock cognate 71 kDa protein
UniProt Gene Name	**HSPA8**
UniProt Synonym Gene Names	HSC70; HSP73; HSPA10
UniProt Entry Name	HSP7C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/hsc70-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/29879