

Hsc70 Polyclonal Antibody | anti-Hsc70 antibody

Anti-Hsc70 Antibody

CATALOG # AAA46228	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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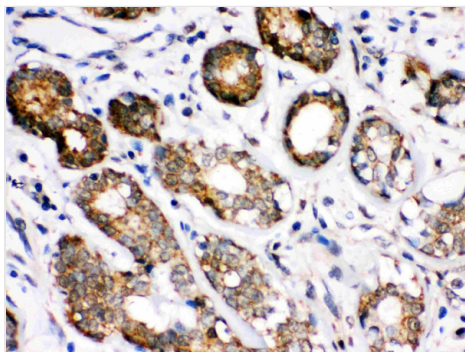
PRODUCT SYNONYMS

Hsc70; Polyclonal Antibody; Anti-Hsc70 Antibody; Heat shock cognate 71 kDa protein; 2410008N15Rik; Constitutive heat shock protein 70; Heat shock 70 kDa protein 8; Heat shock 70kD protein 10; Heat shock 70kD protein 8; Heat shock 70kDa protein 8; Heat shock cognate 71 kDa protein.; Heat shock cognate protein 54; Heat shock cognate protein 71 kDa; Heat shock cognate protein 71-kDa; Heat shock protein 8; Heat shock protein A8; Heat-shock70-KD protein 10; formerly; HSC54; HSC71; Hsc73; HSP71; HSP73; HSP7C_HUMAN; HSPA10; HSPA8; LAP1; Lipopolysaccharide associated protein 1; LPS associated protein 1; LPS associated protein; MGC102007; MGC106514; MGC114311; MGC118485; MGC131511; MGC29929; N-myristoyltransferase inhibitor protein 71; NIP71 antibody; heat shock 70kDa protein 8; anti-Hsc70 antibody

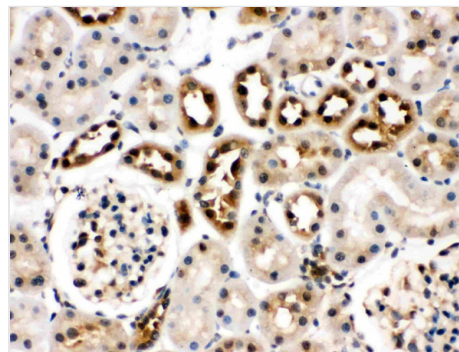
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	646
Applicable Applications for anti-Hsc70 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Hsc70 recombinant protein (Position: Q520-A614). Human Hsc70 shares 98.9% amino acid (aa) sequence identity with both mouse and rat Hsc70.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

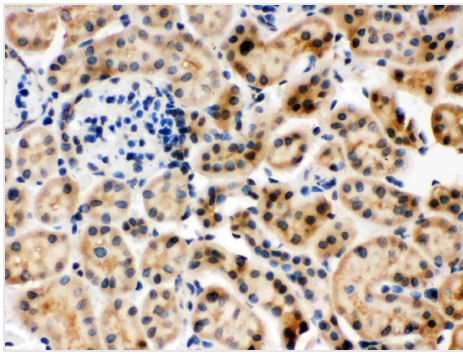
IMAGES



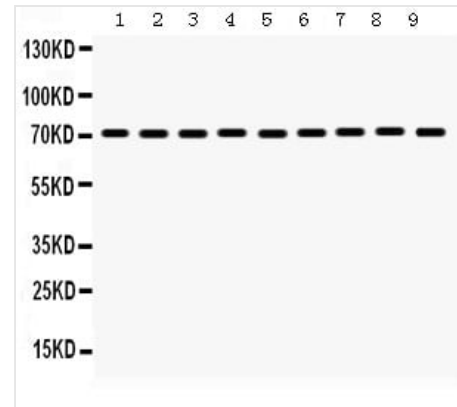
IHC (Immunohistochemistry)
Anti- Hsc70 Picoband antibody, AAA46228,IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- Hsc70 Picoband antibody, AAA46228,IHC(P)IHC(P): Rat Kidney Tissue



IHC (Immunohistochemistry)
Anti- Hsc70 Picoband antibody, AAA46228, IHC(P) IHC(P): Mouse Kidney Tissue



WB (Western Blot)
Anti- Hsc70 Picoband antibody, AAA46228, Western blotting All lanes: Anti Hsc70 (AAA46228) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Thymus Tissue Lysate at 50ug Lane 3: Rat Testis Tissue Lysate at 50ug Lane 4: Mouse Liver Tissue Lysate at 50ug Lane 5: Mouse Thymus Tissue Lysate at 50ug Lane 6: Mouse Testis Tissue Lysate at 50ug Lane 7: HELA Whole Cell Lysate at 40ug Lane 8: MCF-7 Whole Cell Lysate at 40ug Lane 9: 293T Whole Cell Lysate at 40ug Predicted bind size: 71KD Observed bind size: 71KD

ADDITIONAL INFORMATION

Related Product Information for anti-Hsc70 antibody	Description: Rabbit IgG polyclonal antibody for Heat shock cognate 71 kDa protein(HSPA8) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: HSPA8 (heat shock 70kDa protein 8) also known as HSC70, HSC71, HSP73, HSPA10, FORMERLY, LAP1 or LPS-ASSOCIATED PROTEIN 1, is a heat shock protein that in humans is encoded by the HSPA8 gene. The HSPA8 gene contains 9 exons and spans 5 kb. The deduced HSPA8 protein has 646 amino acids and a predicted molecular mass of 70,899 Da. And the HSPA8 gene is mapped on 11q24.1. HSPA8 plays an important role in cells by transiently associating with nascent polypeptides to facilitate correct folding. HSP73 also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Rapid decay involves AU-rich binding protein AUF1, which complexes with heat-shock proteins HSC70 and HSP70, translation initiation factor EIF4G, and poly (A)-binding protein. In the absence of I13, Hsc70 formed a complex with Hsp40 and Hip, and this complex, in association with Eif4g and Pabp, formed a high-stability complex with Bim mRNA that protected it from ribonucleases.
References	1. Chappell, T. G., Welch, W. J., Schlossman, D. M., Palter, K. B., Schlesinger, M. J., Rothman, J. E. Uncoating ATPase is a member of the 70 kilodalton family of stress proteins. Cell 45: 3-13, 1986. 2. Hohfeld, J., Minami, Y., Hartl, F.-U. Hip, a novel cochaperone involved in the eukaryotic Hsc70/Hsp40 reaction cycle. Cell 83: 589-598, 1995. 3. Matsui, H., Asou, H., Inaba, T. Cytokines direct the regulation of Bim mRNA stability by heat-shock cognate protein 70. Molec. Cell 25: 99-112, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729877
NCBI GeneID	3312
NCBI Accession #	NP_006588.1
NCBI GenBank Nucleotide #	NM_006597.5
UniProt Accession #	P11142; Q9H3R6
Molecular Weight	53,518 Da
NCBI Official Full Name	heat shock cognate 71 kDa protein isoform 1
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 8
NCBI Official Symbol	HSPA8
NCBI Official Synonym Symbols	LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p

NCBI Protein Information	heat shock cognate 71 kDa protein
UniProt Protein Name	Heat shock cognate 71 kDa protein
UniProt Gene Name	HSPA8
UniProt Synonym Gene Names	HSC70; HSP73; HSPA10; LAP-1; LPS-associated protein 1
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://stage.aaabiotech.com/polyclonal/hsc70-antibody-immunohistochemistry-western-blot-elisa/46228>