

Rabbit Hsc70 Polyclonal Antibody | anti-HSPA8 antibody

Anti-Hsc70 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44939	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

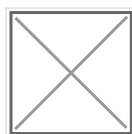
PRODUCT SYNONYMS

Hsc70; Polyclonal Antibody; Anti-Hsc70 antibody; Heat shock cognate 71 kDa protein; heat shock 70kDa protein 8; 2410008N15Rik antibody; Constitutive heat shock protein 70 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 71 kDa protein. antibody; Heat shock cognate protein 54 antibody; Heat shock cognate protein 71 kDa antibody; Heat shock cognate protein 71-kDa antibody; Heat shock protein 8 antibody; Heat shock protein A8 antibody; Heat-shock70-KD protein 10; formerly 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-HSPA8 antibody

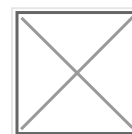
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Applicable Applications for anti-HSPA8 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Hsc70 (13-31aa TTYSCVGVFQHGKVEIIAN), identical to the related rat and mouse sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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 aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


IHC (Immunohistochemistry)

Anti-Hsc70 antibody, AAA44939, IHC(F)IHC(F): Rat Intestine Tissue


ICC (Immunocytochemistry)

Anti-Hsc70 antibody, AAA44939, ICCICC: HELA Cell



IHC (Immunohistochemistry)

Anti-Hsc70 antibody, AAA44939, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)

Anti-Hsc70 antibody, AAA44939, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)

Anti-Hsc70 antibody, AAA44939, Western blotting
Lane 1: Rat Testis Tissue Lysate
Lane 2: Rat Brain Tissue Lysate
Lane 3: Rat Liver Tissue Lysate
Lane 4: Rat Lung Tissue Lysate
Lane 5: CEM Cell Lysate
Lane 6: HELA Cell Lysate
Lane 7: SMMC Cell Lysate
Lane 8: HT1080 Cell Lysate
Lane 9: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA8 antibody

Description: Rabbit IgG polyclonal antibody for Heat shock cognate 71 kDa protein(HSPA8) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

Background: The 70 kilodalton heat shock proteins(Hsp70s) are a family of ubiquitously expressed heat shock proteins. The Hsp70s are an important part of the cell's machinery for protein folding, and help to protect cells from stress. All of the Hsp70 proteins have three major functional domains: An N-terminal ATPase domain binds ATP(Adenosine triphosphate) and hydrolyzes it to ADP(Adenosine diphosphate); A substrate binding domain contains a groove with an affinity for neutral, hydrophobic amino acid residues; A C-terminal domain rich in alpha helical structure acts as a 'lid' for the substrate binding domain. By binding tightly to partially-synthesized peptide sequences(incomplete proteins), Hsp70 prevents them from aggregating and being rendered nonfunctional. And it also can act to protect cells from thermal or oxidative stress. Finally, Hsp70 seems to be able to participate in disposal of damaged or defective proteins. Interaction with CHIP(Carboxyl-terminus of Hsp70 Interacting Protein)-an E3 ubiquitin ligase-allows Hsp70 to pass proteins to the cell's ubiquitination and proteolysis pathways.

NCBI AND UNIPROT INFORMATION

UniProt Accession #

[E9PSH5](#)

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-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/44939>