

HspA2 Monoclonal Antibody | anti-HspA2 antibody

HspA2 Rabbit mAb

CATALOG # AAA314386	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

HspA2; Monoclonal Antibody; HspA2 Rabbit mAb; HSP70-2; HSP70-3; anti-HspA2 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S08-4A4
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-HspA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human HSPA2
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of HSPA2 in paraffin-embedded Human colon cancer tissue using HSPA2 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of HSPA2 in Rat Brain, C6, 3T3 cell lysates using HSPA2 Rabbit mAb(1:1000 diluted). Predicted band size: 70kDa. Observed band size: 70kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HspA2 antibody	Molecular chaperone implicated in a wide variety of cellular processes, including protection of the proteome from stress, folding and transport of newly synthesized polypeptides, activation of proteolysis of misfolded proteins and the formation and dissociation of protein complexes. Plays a pivotal role in the protein quality control system, ensuring the correct folding of proteins, the re-folding of misfolded proteins and controlling the targeting of proteins for subsequent degradation. This is achieved through cycles of ATP binding, ATP hydrolysis and ADP release, mediated by co-chaperones. The affinity for polypeptides is regulated by its nucleotide bound state. In the ATP-bound form, it has a low affinity for substrate proteins. However, upon hydrolysis of the ATP to ADP, it undergoes a conformational change that increases its affinity for substrate proteins. It goes through repeated cycles of ATP hydrolysis and nucleotide exchange, which permits cycles of substrate binding and release (PubMed:26865365). Plays a role in spermatogenesis. In association with SHCBP1L may participate in the maintenance of spindle integrity during meiosis in male germ cells.
Product Categories/Family for anti-HspA2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1708307
NCBI GeneID	3306
UniProt Accession #	P54652; Q15508; Q53XM3; Q9UE78
Molecular Weight	70,021 Da
NCBI Official Full Name	Heat shock-related 70 kDa protein 2
NCBI Official Synonym Full Names	heat shock 70kDa protein 2
NCBI Official Symbol	HSPA2
NCBI Official Synonym Symbols	HSP70-2; HSP70-3
NCBI Protein Information	heat shock-related 70 kDa protein 2; heat shock 70kD protein 2
UniProt Protein Name	Heat shock-related 70 kDa protein 2
UniProt Gene Name	HSPA2
UniProt Synonym Gene Names	Heat shock 70 kDa protein 2
UniProt Entry Name	HSP72_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/monoclonal/hspa2-antibody-clone-s08-4a4-immunohistochemistry-western-blot-elisa/314386>