

Rabbit HSP60 (Heat Shock Protein 60) Polyclonal Antibody | anti-HSP60 antibody

HSP60 (Heat Shock Protein 60)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76739	Rabbit	Human, Mouse, Rat, Primate, Bovine, Dog, Porcine, Equine	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

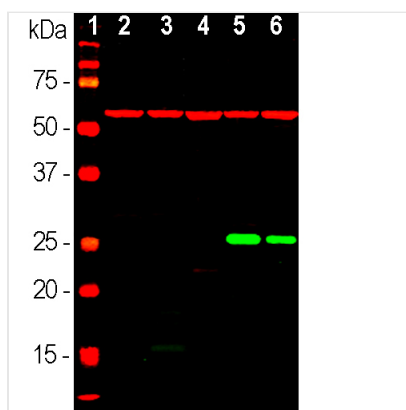
PRODUCT SYNONYMS

HSP60 (Heat Shock Protein 60); Polyclonal Antibody; anti-HSP60 antibody

PRODUCT SPECIFICATIONS

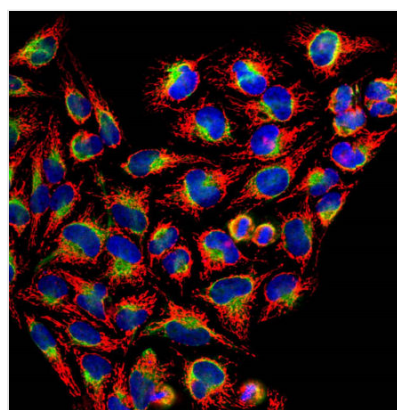
Host	Rabbit
Reactivity	Human, Mouse, Rat, Primate, Bovine, Dog, Porcine, Equine
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Liquid. Supplied as an aliquot of serum plus 5mM NaN3
Applicable Applications for anti-HSP60 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Recombinant full length human HSP60 expressed in and purified from E coli
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of different tissue or cell lysates using rabbit pAb to HSP-60, AAA76739, dilution 1:5,000 in red. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. The strong 60kDa band present in all preparations corresponds to HSP60 protein.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of HeLa cells stained with rabbit pAb to HSP60, AAA76739, dilution 1:1,000, in red, and costained with chicken pAb to vimentin in green. The blue is DAPI staining of nuclear DNA. The HSP60 antibody gives strong and specific staining of mitochondria while the vimentin antibody reveals cytoplasmic intermediate filaments.

ADDITIONAL INFORMATION

Related Product Information for anti-HSP60 antibody	The heat shock proteins were discovered, as the name suggests, since they are heavily upregulated when cells are stressed by temperatures above the normal physiological range. They are expressed in unstressed cells also and have a normal function as chaperones, helping other proteins to fold correctly. The need for chaperones is much greater if a cell or tissue is stressed by heat, and so these proteins become heavily up regulated.. In addition to its role as a heat shock protein, HSP60 plays an important role in the transport and maintenance of mitochondrial proteins as well as the transmission and replication of mitochondrial DNA. HSP60 has also been implicated in the initiation and/or progression of some subtypes of cardiovascular disease (CVD).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147.2
NCBI GenBank Nucleotide #	NM_002156.4
UniProt Accession #	P10809; Q38L19; Q9UCR6; B2R5M6
Molecular Weight	61,055 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 60kDa protein 1 (chaperonin)
NCBI Official Symbol	HSPD1
NCBI Official Synonym Symbols	HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60
NCBI Protein Information	60 kDa heat shock protein, mitochondrial; chaperonin 60; 60 kDa chaperonin; heat shock protein 65; P60 lymphocyte protein; mitochondrial matrix protein P1; short heat shock protein 60 Hsp60s1
UniProt Protein Name	60 kDa heat shock protein, mitochondrial
UniProt Gene Name	HSPD1
UniProt Synonym Gene Names	HSP60; CPN60; HSP-60; Hsp60
UniProt Entry Name	CH60_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/hsp60-heat-shock-protein-60-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76739>