

HSP60 Polyclonal Antibody | anti-HSP60 antibody

Hsp60, polyclonal antibody, chicken

CATALOG #	REACTIVITY	APPLICATIONS
AAA76566	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

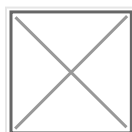
PRODUCT SYNONYMS

HSP60; Polyclonal Antibody; Hsp60; polyclonal antibody; chicken; anti-HSP60 antibody

PRODUCT SPECIFICATIONS

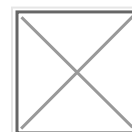
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Liquid
Sequence Length	566
Applicable Applications for anti-HSP60 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)

IMAGES



Application Data

Image: Western blot analysis. Blot of SHSY-5Y cell lysate (lane 1) and HeLa cell lysate (lane 2) was probed with HSP60 (CH22117) at 1: 20,000. This antibody recognizes cleanly and strongly the Hsp60 protein at 60 kDa



Application Data

Image: HeLa cells were stained (green). Blue is DAPI staining of DNA. The HSP60 antibody reveals strong staining in mitochondria.

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, and are required in much greater amounts if the cell or tissue is stressed by heat. The increased levels are generated transcriptionally under the influence of a powerful transcription factor, the heat shock factor 1 (HSF1). The different heat shock proteins were originally named based on their SDS-PAGE mobility, so HSP60 has an apparent molecular weight of 60 kDa. It is an abundant protein in mitochondria and is typically responsible for the transportation and refolding of proteins from the cytoplasm into the mitochondrial matrix. HSP60 aids in the folding and conformation maintenance of approximately 15-30% of all cellular proteins. 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 been implicated in the initiation and/or progression of some subtypes of Cardiovascular Disease (CVD), implying its potential as a biomarker with applications for identification, assessing prognosis and response to treatment, as well as for preventing and treating CVD. The HGNC name for this protein is HSPD1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	984697491
Molecular Weight	60,202 Da

NCBI Official Full Name	HSP60
UniProt Protein Name	HSP60
UniProt Gene Name	hsp60

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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