

Mouse HSP60 (Heat Shock Protein 60) Monoclonal Antibody | anti-HSPD1 antibody

HSP60 (Heat Shock Protein 60) (Mitochondrial Marker) Recombinant Mouse Monoclonal Antibody [Clone rHSPD1/6497]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215714	Mouse	Human, Mouse, Rat, Hamster, Sheep, Rabbit, Cow, Dog, Pig, Monkey and Chicken	Immunohistochemistry, Western Blot

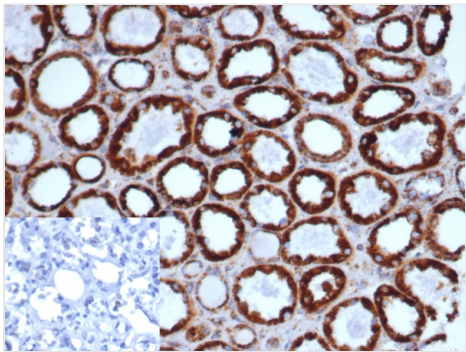
PRODUCT SYNONYMS

HSP60 (Heat Shock Protein 60); Monoclonal Antibody; HSP60 (Heat Shock Protein 60) (Mitochondrial Marker) Recombinant Mouse Monoclonal Antibody [Clone rHSPD1/6497]; HSP60 (Heat Shock Protein 60) (Mitochondrial Marker); 60kDa heat shock protein mitochondrial; Chaperonin; 60-KD (CPN60); GROEL; HLD4; HSP65; HuCHA60; SPG13; Mitochondrial matrix protein P1; P60 lymphocyte protein; Short heat shock protein 60 Hsp60s1; Spastic paraplegia 13; anti-HSPD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Hamster, Sheep, Rabbit, Cow, Dog, Pig, Monkey and Chicken
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rHSPD1/6497
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA OR Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-HSPD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant human full-length HSP60 protein
Cellular Localization	Mitochondria in cytoplasm
Positive Control	HeLa or Hep2 cells. Synovial biopsies from patients with juvenile chronic arthritis. Synovial lining layer is strongly positive for hsp60. Breast carcinoma.
Hu-chromosome Location	2q33.1
Unigene	595053
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human kidney stained with HSP60 Recombinant Mouse Monoclonal Antibody (rHSPD1/6497). Inset: 2 degree Ab only control. Hematoxylin counterstain.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPD1 antibody	Recognizes a 60kDa protein, identified as the heat shock protein 60 (hsp60). Its epitope is localized between aa 383-447 of human hsp60. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsp s), more appropriately called as stress response proteins (srp s). hsp60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial hsp60, but also against its mammalian homolog. Clone rHSPD1/6497, unlike LK2, recognizes only the mammalian (not bacterial) hsp60 and is useful in distinguishing hsp60 from mammals and bacteria.
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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.

