

Datasheet for ABIN6242389
anti-HSPD1 antibody (AA 340-374)

5 Images

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Overview

Quantity:	200 µL
Target:	HSPD1
Binding Specificity:	AA 340-374
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Hsp60 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 340-374 amino acids from the human region of human Hsp60.
Clone:	RB55969
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HSPD1
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Target Details

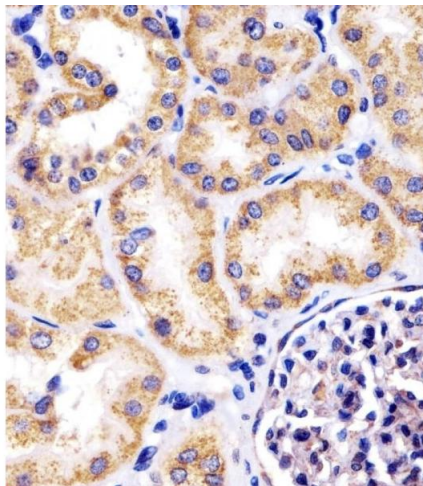
Alternative Name:	Hsp60 (HSPD1 Products)
Background:	Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.
Molecular Weight:	61055
UniProt:	P10809
Pathways:	Activation of Innate immune Response , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	IF: 1:25. WB: 1:2000. WB: 1:2000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

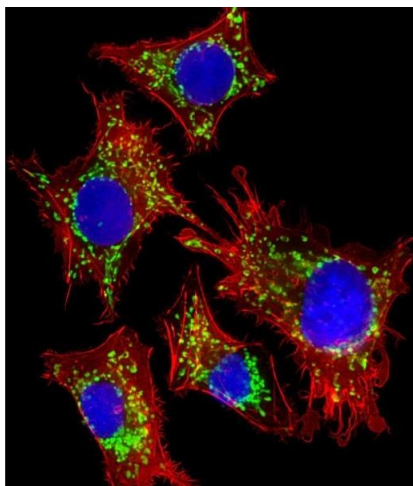
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months



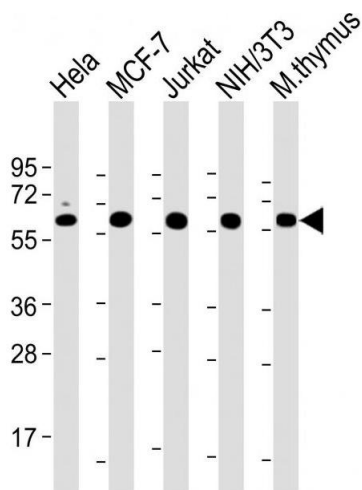
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6242389 and ABIN6578670) staining Hsp60 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling Hsp60 with (ABIN6242389 and ABIN6578670) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. The nuclear counter stain is DAPI (blue).



Western Blotting

Image 3. All lanes : Anti-Hsp60 Antibody at 1:2000 dilution
Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: mouse thymus lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6242389.