# antibodies

# Datasheet for ABIN726080 anti-HSPD1 antibody (AA 501-573)

7 Images
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4 Publications



### Overview

Quantity:	100 µL
Target:	HSPD1
Binding Specificity:	AA 501-573
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSP60
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Pig, Rat
Predicted Reactivity:	Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	HSPD1

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Target Details	
Alternative Name:	HSP60 (HSPD1 Products)
Background:	Synonyms: HLD4, CPN6, GROEL, HSP6, HSP65, SPG13, HSP-6, HuCHA6, 6 kDa heat shock protein, mitochondrial, 6 kDa chaperonin, Chaperonin 6, Heat shock protein 6, Mitochondrial matrix protein P1, P6 lymphocyte protein, HSPD1 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.
Gene ID:	3329
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:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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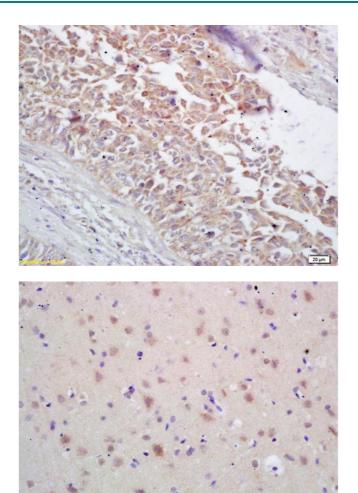
Handling	
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Liu, Cao, Li, Wang, Zhang, Dong Zhang, Liu, Yuan, Zhan: "Autophagy induced by DAMPs

facilitates the inflammation response in lungs undergoing ischemia-reperfusion injury through promoting TRAF6 ubiquitination." in: **Cell death and differentiation**, Vol. 24, Issue 4, pp. 683-693, (2017) (PubMed).

Kengkoom, Ampawong: "Chronic ingestion of high dosed Phikud Navakot extraction induces mesangiolysis in rats with alteration of AQP1 and Hsp60 expressions." in: **BioMed research international**, Vol. 2015, pp. 462387, (2015) (PubMed).

Isarangkul, Wiyakrutta, Kengkoom, Reamtong, Ampawong: "Mitochondrial and cytoskeletal alterations are involved in the pathogenesis of hydronephrosis in ICR/Mlac-hydro mice." in: **International journal of clinical and experimental medicine**, Vol. 8, Issue 6, pp. 9192-204, (2015) (PubMed).

Qi, Chen, Chan, Li, Yuan, Yu, Lin, Yew, Kung, Lai: "Two-dimensional differential gel electrophoresis/analysis of diethylnitrosamine induced rat hepatocellular carcinoma." in: International journal of cancer, Vol. 122, Issue 12, pp. 2682-8, (2008) (PubMed).

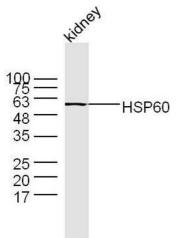


#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti CYP5A1/Thromboxane synthase Polyclonal Antibody, Unconjugated (ABIN726080) at 1:200 followed by conjugation to the secondary antibody and DAB staining

#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti HSP60 Polyclonal Antibody, Unconjugated (ABIN726080) at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Western Blotting

**Image 3.** Mouse kidney lysates probed with Rabbit Anti-HSP60 Polyclonal Antibody at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody -HRP ) at 1:5000 for 90 min at 37°C.

Please check the product details page for more images. Overall 7 images are available for ABIN726080.

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