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## anti-HSPD1 antibody (AA 27-240)

10

Images



Publication



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Quantity:	100 μL
Target:	HSPD1
Binding Specificity:	AA 27-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

#### **Product Details**

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 27-240 of human HSP60/HSPD1 (NP_002147.2).
Sequence:	AKDVKFGADA RALMLQGVDL LADAVAVTMG PKGRTVIIEQ SWGSPKVTKD GVTVAKSIDL KDKYKNIGAK LVQDVANNTN EEAGDGTTTA TVLARSIAKE GFEKISKGAN PVEIRRGVML AVDAVIAELK KQSKPVTTPE EIAQVATISA NGDKEIGNII SDAMKKVGRK GVITVKDGKT LNDELEIIEG MKFDRGYISP YFINTSKGQK CEFQ
sotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

### **Target Details**

Target:	HSPD1
Alternative Name:	HSPD1 (HSPD1 Products)
Background:	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein
	may function as a signaling molecule in the innate immune system. This protein is essential for
	the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent
	to a related family member and the region between the 2 genes functions as a bidirectional
	promoter. Several pseudogenes have been associated with this gene. Two transcript variants
	encoding the same protein have been identified for this gene. Mutations associated with this
	gene cause autosomal recessive spastic paraplegia 13.,HSPD1,CPN60,GROEL,HLD4,HSP-
	60,HSP60,HSP65,HuCHA60,SPG13,Hsp60,Epigenetics & Nuclear Signaling,RNA Binding,Signal
	Transduction,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of
	Apoptosis,Endocrine & Metabolism,Mitochondrial metabolism,HSPD1
Molecular Weight:	17 kDa/61 kDa
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,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:100,IP,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Storage Comment:

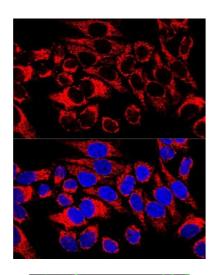
Store at -20°C. Avoid freeze / thaw cycles.

#### **Publications**

Product cited in:

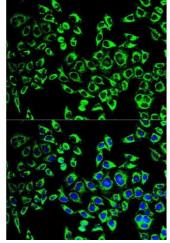
Wang, Yu, Wang, Li, Li, Wang, Song, Chu, Li: "Gold-nanorods-siRNA nanoplex for improved photothermal therapy by gene silencing." in: **Biomaterials**, Vol. 78, pp. 27-39, (2016) (PubMed).

#### **Images**



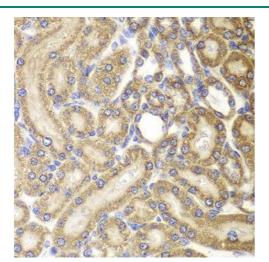
#### Immunofluorescence

**Image 1.** Confocal immunofluorescence analysis of HeLa cells using HSP60/HSPD1 Polyclonal Antibody (ABIN3021181, ABIN3021182, ABIN3021183 and ABIN6214053) at dilution of 1:400. Blue: DAPI for nuclear staining.



#### **Immunofluorescence**

**Image 2.** Immunofluorescence analysis of HeLa cell using HSPD1 antibody. Blue: DAPI for nuclear staining.



#### **Immunohistochemistry**

Image 3.

Please check the product details page for more images. Overall 10 images are available for ABIN3021182.