

Rabbit HSPD1 Polyclonal Antibody | anti-HSPD1 antibody

HSPD1 Antibody (C-term)

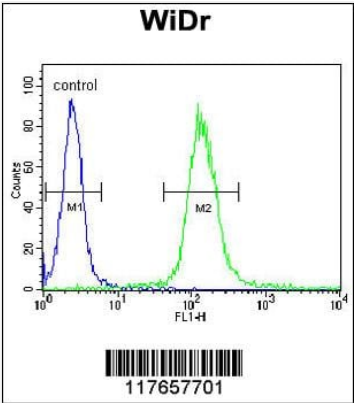
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288724	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Chicken, Hamster, Rat)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

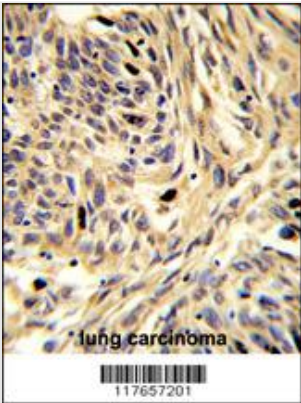
HSPD1; Polyclonal Antibody; HSPD1 Antibody (C-term); 60 kDa heat shock protein; mitochondrial; 60 kDa chaperonin; Chaperonin 60; CPN60; Heat shock protein 60; HSP-60; Hsp60; HuCHA60; Mitochondrial matrix protein P1; P60 lymphocyte protein; HSP60; anti-HSPD1 antibody

PRODUCT SPECIFICATIONS

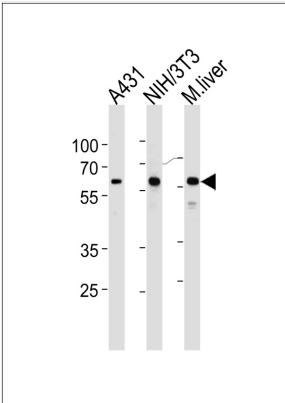
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Chicken, Hamster, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-423 amino acids from the C-terminal region of human HSPD1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	396-423
Sequence Length	573
Applicable Applications for anti-HSPD1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HSPD1 Antibody (C-term) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HSPD1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
HSPD1 Antibody (C-term) western blot analysis in A431,mouse NIH/3T3 cell line and mouse liver tissue lysates (35ug/lane).This demonstrates the HSPD1 antibody detected the HSPD1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HSPD1 antibody	HSPD1 is a member of the chaperonin family. This protein may function as a signaling molecule in the innate immune system. The protein is essential for the folding and assembly of newly imported proteins in the mitochondria. The protein is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter.
Product Categories/Family for anti-HSPD1 antibody	Crown Antibodies; Signal Transduction
References	Venner T.J., Singh B., Gupta R.S.DNA Cell Biol. 9:545-552(1990) Hansen J.J., Bross P., Westergaard M., Nielsen M.N., Eiberg H.,Hum. Genet. 112:71-77(2003) Rasmussen R.K., Ji H., Eddes J.S., Moritz R.L.,Electrophoresis 18:588-598(1997) Aboulaich N., Vainonen J.P., Stralfors P., Vener A.V.Biochem. J. 383:237-248(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147.2; NP_955472.1
NCBI GenBank Nucleotide #	NM_002156.4

UniProt Accession #	P10809; Q38L19; Q9UCR6; B2R5M6; B7Z712
Molecular Weight	61055
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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hspd1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/288724>