

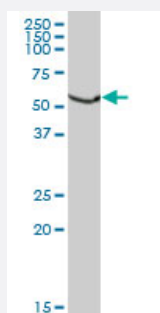
MaxPab®

HSPD1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003329-B01P

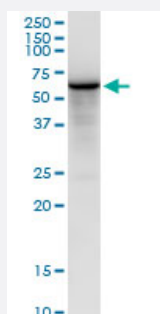
Size 50 ug

Applications



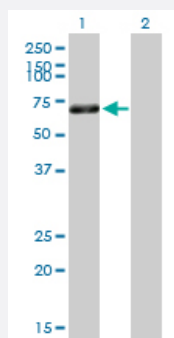
Western Blot (Tissue lysate)

HSPD1 MaxPab polyclonal antibody. Western Blot analysis of HSPD1 expression in human kidney.



Western Blot (Cell lysate)

HSPD1 MaxPab polyclonal antibody. Western Blot analysis of HSPD1 expression in HepG2.

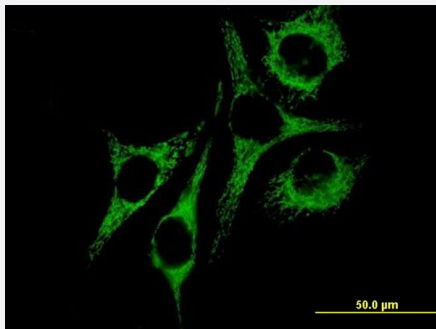


Western Blot (Transfected lysate)

Western Blot analysis of HSPD1 expression in transfected 293T cell line ([H00003329-T02](#)) by HSPD1 MaxPab polyclonal antibody.

Lane 1: HSPD1 transfected lysate(63.03 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to HSPD1 on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HSPD1 protein.
Immunogen	HSPD1 (NP_002147.2, 1 a.a. ~ 573 a.a) full-length human protein.
Sequence	MLRLPTVFRQMRPVSRVLAPHLTRAYAKDVKFGADARALMLQGVDLLADAVAVTMGPKGRTVIIIE QSWGSPKVTKDGVTVAKSIDLKDKYKNIGAKLVQDVANNTNEEAGDGTTTATVLAARSIAKEGFKEI SKGANPVEIRRGVMLAVDAVIAELKKQSKPVTTPEEIAQVATISANGDKEIGNISDAMKKVGRKGV TVKDGKTLNDELEIIIEGMKFDRGYISPYFINTSKGQKCEFQDAYVLLSEKKISSIQSVPALAIANAHR KPLVIAEDVDGEALSTLVNRLKVGLQVVAVKAPGFGDNRKNQLKDMAIATGGAVFGEEGLTLNL EDVQPHDLGKVGEVIVTKDDAMLLKGKGDKAQIEKRIQEIIEQLDVTTSEYEKEKLNERLAKLSDG VAVLVKVGGSDDVEVNEKKDRVTDALNATRAAVEEGIVLGGGCALLRCIPALDSLTPANEDQKIGIEI IKRTLKIPAMTIKNAGVEGSLIVEKIMQSSSEVGYDAMAGDFVNMVEKGIIDPTKVVRTALLDAAGV ASLLTTAEVVVTEIPKEEKDPGMGAMGGMGGGMGGGMF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

HSPD1 MaxPab polyclonal antibody. Western Blot analysis of HSPD1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

HSPD1 MaxPab polyclonal antibody. Western Blot analysis of HSPD1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HSPD1 expression in transfected 293T cell line ([H00003329-T02](#)) by HSPD1 MaxPab polyclonal antibody.

Lane 1: HSPD1 transfected lysate(63.03 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to HSPD1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — HSPD1

Entrez GeneID [3329](#)

GeneBank Accession# [NM_002156.4](#)

Protein Accession# [NP_002147.2](#)

Gene Name HSPD1

Gene Alias CPN60, GROEL, HLD4, HSP60, HSP65, HuCHA60, SPG13

Gene Description heat shock 60kDa protein 1 (chaperonin)

Omim ID [118190 605280](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. Two pseudogenes, both located on chromosome 8, 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. [provided by RefSeq]

Other Designations

P60 lymphocyte protein|chaperonin|heat shock 60kD protein 1 (chaperonin)|heat shock protein 65
|mitochondrial heat shock 60kD protein 1 variant 1|mitochondrial matrix protein P1|short heat shock protein 60 Hsp60s1|spastic paraplegia 13 (autosomal dominant)

Pathway

- [RNA degradation](#)
- [Type I diabetes mellitus](#)

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Spastic Paraplegia](#)