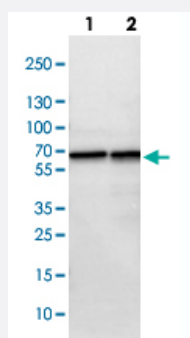


HSPD1 polyclonal antibody

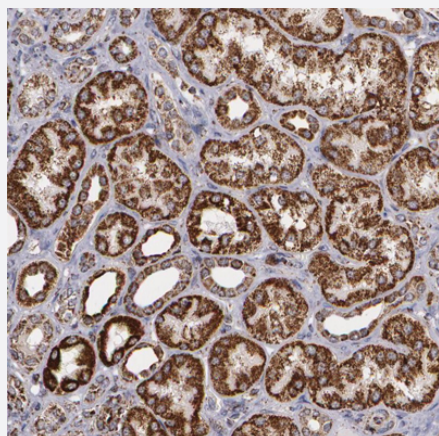
Catalog # PAB29369 Size 100 uL

Applications



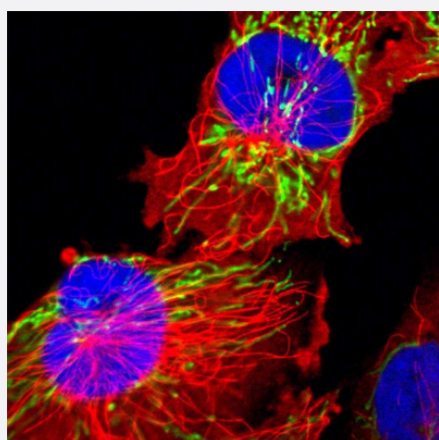
Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with HSPD1 polyclonal antibody (Cat # PAB29369) at 1:100-1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with HSPD1 polyclonal antibody (Cat # PAB29369) shows strong cytoplasmic positivity in cells of renal tubules at 1:500-1:1000 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG with HSPD1 polyclonal antibody (Cat # PAB29369) at 1-4 ug/mL concentration shows positivity in mitochondria.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human HSPD1.
Immunogen	Recombinant protein corresponding to human HSPD1.
Sequence	RVLAPHLTRAYAKDVKFGADARALMLQGVDLLADAVAVTMGPKGRTVIIQSWGSPKVTKDGVTVAKSIDLKDKYKNIGAKLVQDVANNTNEEAGDGGTTATVLRASIAKEGFEEKSGANPVEIRRGVMLAVDAVIAEL
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:500-1:1000) Immunofluorescence (1-4 ug/mL) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — HSPD1

Entrez GeneID [3329](#)

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](#)