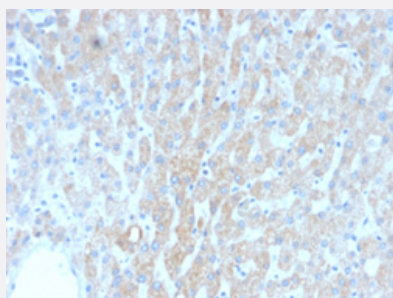


RecomAb™

HSPD1 recombinant monoclonal antibody, clone rGROEL/780

Catalog # RAB00489 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with HSPD1 recombinant monoclonal antibody, clone rGROEL/780 (Cat # RAB00489).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against full length recombinant human HSPD1.
Antibody Species	Mouse
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human HSPD1.
Theoretical MW (kDa)	60
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.25-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with HSPD1 recombinant monoclonal antibody, clone rGROEL/780 (Cat # RAB00489).

Gene Info — HSPD1

Entrez GeneID

[3329](#)

Protein Accession#

[P10809](#)

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](#)