



Mouse Monoclonal Antibody **Hsp60** conjugated to Sepharose Beads

CatalogNo: **ANT8193-M**

Size 200ul

Storage Store at 4 °C for frequent use

#### Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

**Hsp60 (ANT0027R) Rabbit mAb**

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IHC, IF, IP, ELISA

#### Applications

#### MW

- 60kD (Calculated)
- IgG, Kappa
- 60kD (Observed)

#### Isotype

## Recommended Dilution Ratios

### IP

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0027R

# Immunogen Information

Sequence	60 kDa heat shock protein mitochondrial
Specificity	Endogenous

# Target Information

Gene name	>>RNA degradation;>>Type I diabetes mellitus;>>Legionellosis;>>Tuberculosis;>>Lipid and atherosclerosis
Protein Name	HSPD1

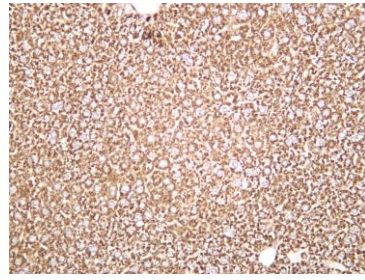
Organism	Gene ID	UniProt ID
Human	<a href="#">3329;</a>	<a href="#">P10809;</a>
Mouse	<a href="#">15510;</a>	<a href="#">P63038;</a>
Rat	<a href="#">63868;</a>	<a href="#">P63039;</a>

Cellular Localization	Mitochondrion matrix
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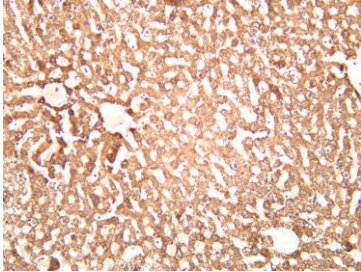
Tissue specificity Adipocyte,Adrenal gland,B-cell lymphoma,Brain,Cajal-Retzius

**Function** Disease:Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs.,Disease:Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurs within the first 2 decades of life.,Function:Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.,similarity:Belongs to the chaperonin (HSP60) family.,similarity:Belongs to the TCP-1 chaperonin family.,subunit:Interacts with HBV protein X and HTLV-1 protein p40tax.,

## Validation Data

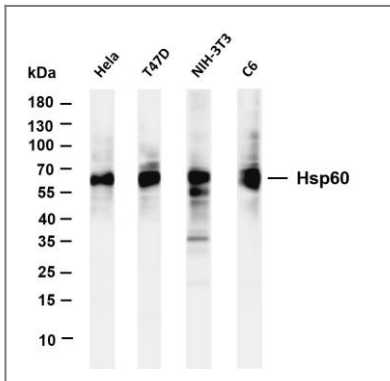


Mouse liver was stained with anti-Hsp60 (ANT0027R)

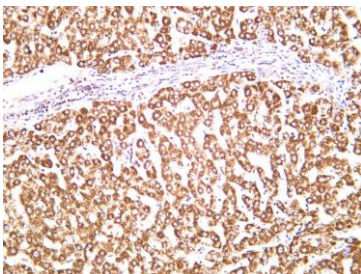


rabbit antibody

Rat liver was stained with anti-Hsp60 (ANT0027R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Hsp60 (ANT0027R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: T47D Lane 3: NIH-3T3 Lane 4: C6 Predicted band size: 60kDa Observed band size: 60kDa



Human liver was stained with anti-Hsp60 (ANT0027R) rabbit antibody

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