Mouse Monoclonal Antibody Hsp60 conjugated to Sepharose Beads

CatalogNo: ANT8193-S

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

Hsp60 (ANT0027R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat,

Applications
- WB,IHC,IF,IP,ELISA

MW
- 60kD (Calculated)

60kD (Observed)

Isotype
- IgG,Kappa

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal
Clone Number	ANT0027R

Immunogen Information

Squence 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

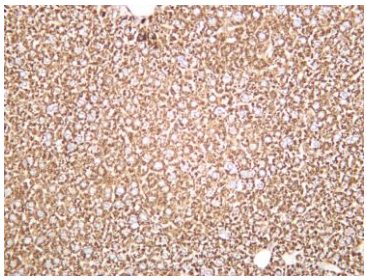
Organism	Gene ID	UniProt ID
Human	3329;	P10809;
Mouse	15510;	P63038;
Rat	63868;	P63039;

Cellular Localization Mitochondrion matrix

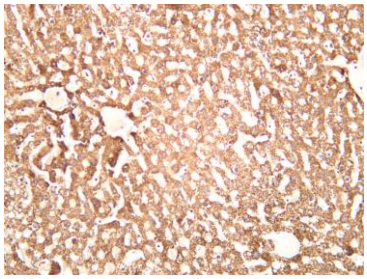
Tissue specificity Adipocyte,Adrenal gland,B-cell lymphoma,Brain,Cajal-Retzius

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 occurrs 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.,

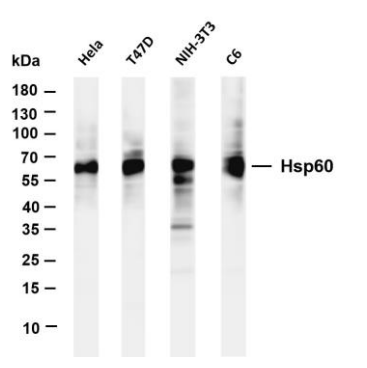
Validation Data



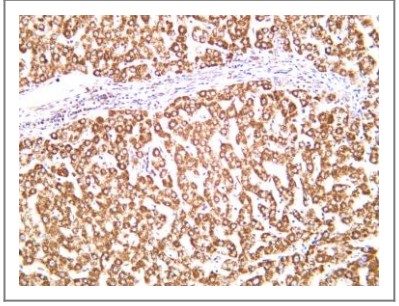
Mouse liver was stained with anti-Hsp60 (ANT0027R) rabbit antibody



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