Hsp60 (ANT0027R) Rabbit mAb

CatalogNo: ANT8193 Recombinant

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species	Reactivity	Applications
• Rabbit • Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA	

MW	Isotype
• 60kD (Calculated) 60kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IHC 1:1000-1:4000
WB 1:1000-1:5000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200,

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)

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;

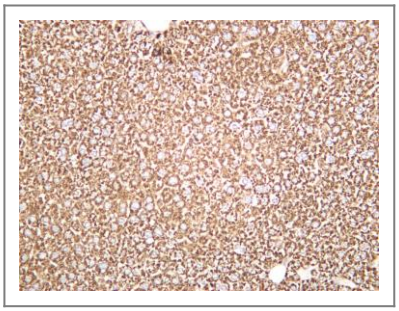
Cellular Localization	Mitochondrion matrix

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

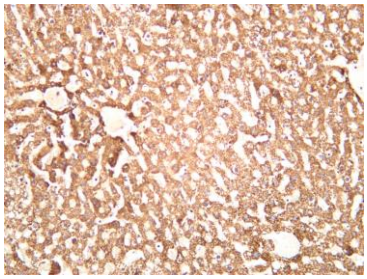
Function

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 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.,

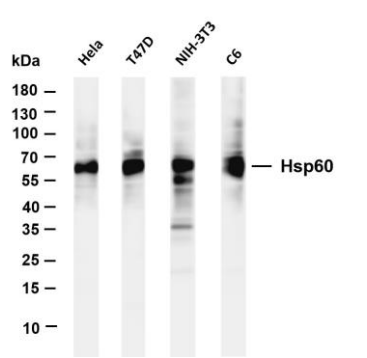
Validation Data



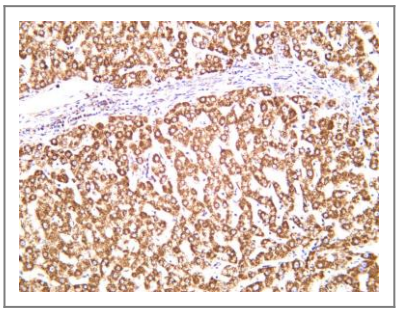
Mouse liver was stained with anti-Hsp60 (ANT0027R) rabbit antibody



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