

Hsp70 (PT0218R) PT™ Rabbit mAb

CatalogNo: YM8139 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 70kD (Calculated)
70kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:400-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0218R

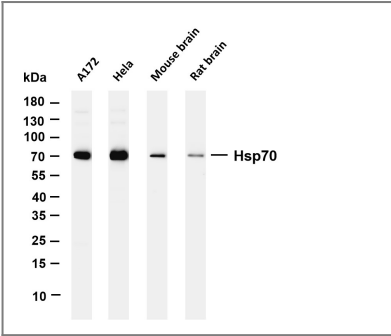
Immunogen Information

Specificity Endogenous

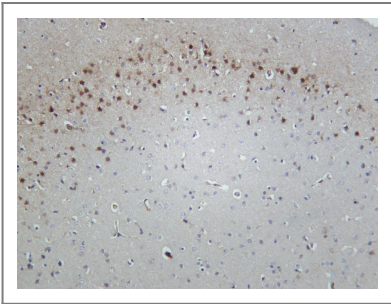
Target Information

Gene name	HSPA1A;HSPA1B		
Protein Name	Heat shock 70 kDa protein 1A/1B		
	Organism	Gene ID	UniProt ID
	Human	3303 ; 3304 ;	P0DMV8 ; P0DMV9 ; ;
Cellular Localization	Nucleus		
Tissue specificity	Brain,Cajal-Retzius cell,Embryonic kidney,Epithelium,Fetal		
Function	Function:In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.,induction:By heat shock.,similarity:Belongs to the heat shock protein 70 family.,subunit:HSPA1B is found in a sperm-specific complex with CATSPER1 and CATSPERB (By similarity). Interacts with TSC2. Interacts with IRAK1BP1.,tissue specificity:HSPA1B is testis-specific.,		

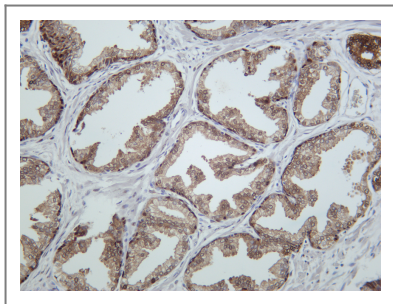
Validation Data



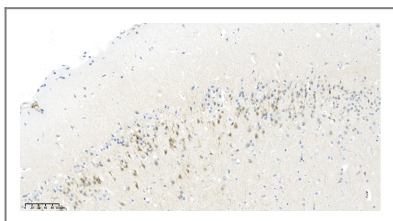
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Hsp70 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A172 Lane 2: HeLa Lane 3: Mouse brain Lane 4: Rat brain Predicted band size: 70kDa Observed band size: 70kDa



Mouse brain was stained with Anti-Hsp70 rabbit antibody



Human prostate was stained with Anti-Hsp70 rabbit antibody



Mouse brain was stained with anti-Hsp70 Rabbit antibody

| Contact information

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PT™ Rabbit mAb

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