

## Hsp70 (ANT0018R) Rabbit mAb

CatalogNo: ANT8139 **Recombinant** 

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

### Host Species

- Rabbit
- Human,Mouse,Rat,

### Reactivity

- WB,IHC,IF,IP,ELISA

### Applications

### MW

- 70kD (Calculated)
  - IgG,Kappa
- 70kD (Observed)

### Isotype

## 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)

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0018R

## Target Information

Endogenous

Gene name HSPA1A;HSPA1B  
Protein Name Heat shock 70 kDa protein 1A/1B

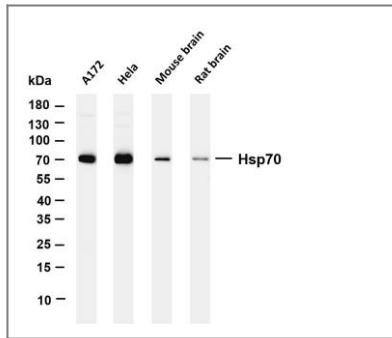
Organism	Gene ID	UniProt ID
Human	<a href="#">3303</a> ; <a href="#">3304</a> ;	<a href="#">P0DMV8</a> ; <a href="#">P0DMV9</a> ; ;

Cellular Localization Nucleus

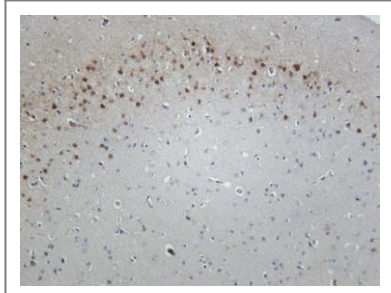
Tissue specificity Brain,Cajal-Retzius cell,Embryonic kidney,Epithelium,Fetal

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.,

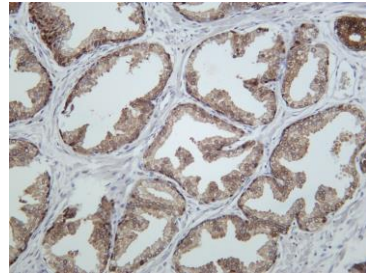
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Hsp70 (ANT0018R) antibody. The HRPconjugated 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 (ANT0018R) rabbit antibody



Human prostate was stained with Anti-Hsp70 (ANT0018R) rabbit antibody

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Contact Antagene Inc Tel 1-866-964-2589 Email: [info@antageneinc.com](mailto:info@antageneinc.com)