



Mouse Monoclonal Antibody **Hsp70** conjugated to Sepharose Beads

CatalogNo: **ANT8139-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.

**Hsp70 (ANT0018R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

### Host Species

- Rabbit
- Human, Mouse, Rat,

### Reactivity

- WB, IHC, IF, IP, ELISA

### Applications

### MW

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

### Isotype

## Recommended Dilution Ratios

### IP

## Basic Information

### Clonality

Monoclonal

Clone Number      ANT0018R

**Immunogen Information** Specificity

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> ; ;

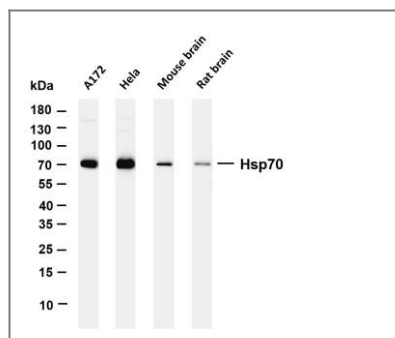
Cellular            Nucleus  
Localization

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

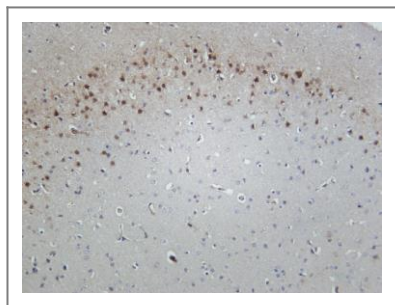
Function            Function:In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability 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.,

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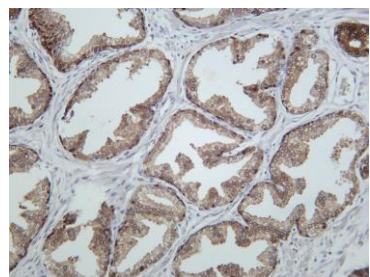
## Validation Data



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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