

HSP70 (Acetyl Lys246) Rabbit pAb

CatalogNo: YK0061

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 70kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized acetyl-peptide derived from the Internal region of human HSP70 around the acetylation site of K246.

Specificity Acetyl-HSP70 (K246) Polyclonal Antibody detects endogenous levels of HSP70 protein only when acetylation at K246. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): EFKRK

Target Information

Gene name HSPA1A;HSPA1B

Protein Name Heat shock 70 kDa protein 1A/1B

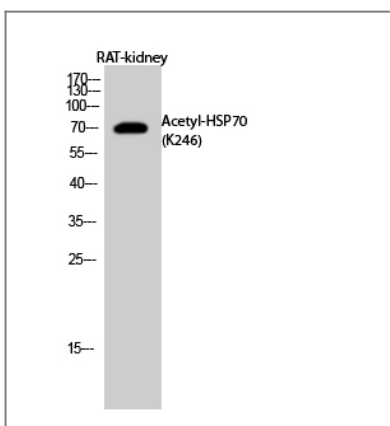
Organism	Gene ID	UniProt ID
Human	3303 ; 3304 ;	P0DMV8 ; P0DMV9 ;

Cellular Localization Cytoplasm . Nucleus . Cytoplasm , cytoskeleton , microtubule organizing center , centrosome . Secreted . Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

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



Western Blot analysis of RAT-kidney cells using Acetyl-HSP70 (K246) Polyclonal Antibody diluted at 1:1000. Secondary antibody (catalog#:RS0002) was diluted at 1:20000

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**HSP70 (Acetyl
Lys246) Rabbit pAb**

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