

For Research Use Only

# HSPA4 Monoclonal antibody

Catalog Number: 67173-1-Ig

Featured Product



## Basic Information

### Catalog Number:

67173-1-Ig

### Size:

150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgM

### Immunogen Catalog Number:

AG16624

### GenBank Accession Number:

BC110861

### GeneID (NCBI):

3308

### UNIPROT ID:

P34932

### Full Name:

heat shock 70kDa protein 4

### Calculated MW:

840 aa, 94 kDa

### Observed MW:

110 kDa

### Purification Method:

Caprylic acid/ammonium sulfate precipitation

### CloneNo.:

2F2C12

### Recommended Dilutions:

WB 1:1000-1:4000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, pig

### Positive Controls:

WB : HEK-293 cells, Jurkat cells, pig brain tissue, HepG2 cells, L02 cells

## Background Information

HSPA4 (also known as Apg-2, HSP70RY) is a 110 kDa cytosolic protein, a member of the heat-shock protein 110 (Hsp 110) subfamily of Hsp70 proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. HSPA4 is ubiquitously expressed and its expression is not heat inducible. Overexpression of HSPA4 has been reported in some leukemia and solid tumors.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

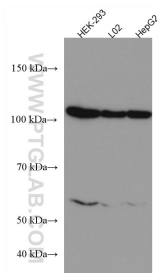
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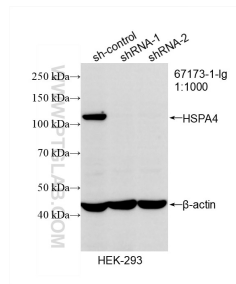
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67173-1-Ig (HSPA4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of HSPA4 antibody (67173-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSPA4 transfected HEK-293 cells.