

For Research Use Only

HSPA1B Recombinant antibody

Catalog Number: 84873-4-RR



Basic Information

Catalog Number:

84873-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13700

GenBank Accession Number:

BC057397

GeneID (NCBI):

3304

UNIPROT ID:

P08107

Full Name:

heat shock 70kDa protein 1B

Calculated MW:

70 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

242371E8

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293 cells, K-562 cells, A431 cells, mouse brain tissue, rat brain tissue

Background Information

HSP70 (also referred to HSP72), is a stress-inducible member of heat-shock protein 70 (HSP70) proteins which are highly conserved chaperons implicated in protein folding, protein refolding, protein transport, and protein targeting. HSP70 is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. Generally, HSP70 is thought to be expressed in unstressed normal cells at low or undetectable levels. Expression of HSP70 protein can be highly activated by various stressful stimuli. Significant up-regulation of HSP70 has been found in various tumors. Recently it has been reported that HSP70 can be constitutively expressed in selected cell types. HSP70 is also used as exosomal marker.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

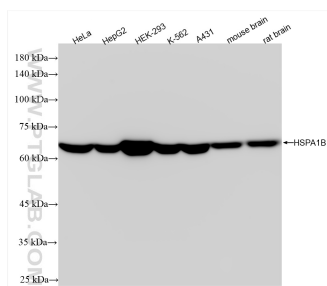
T: 4006900926

E: Proteintech-CN@ptglab.com

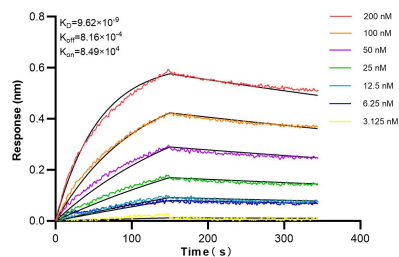
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84873-4-RR (HSPA1B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84873-4-RR against Human HSPA1B were performed. The affinity constant is 9.62 nM.