

For Research Use Only

HSPB8 Recombinant antibody

Catalog Number: 86022-1-RR



Basic Information

Catalog Number:

86022-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7456

GenBank Accession Number:

BC002673

GeneID (NCBI):

26353

UNIPROT ID:

Q9UJY1

Full Name:

heat shock 22kDa protein 8

Calculated MW:

22 kDa

Observed MW:

20-22 kDa

Purification Method:

Protein A purification

CloneNo.:

250197B5

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, MCF-7 cells, Neuro-2a cells, rat heart tissue, mouse heart tissue

Background Information

The Heat Shock Protein B8 (HSPB8), also named small stress protein-like protein (sHSP22), protein kinase H11(H11), E2-induced gene 1 protein (E2IG1), or alpha-crystallin C chain (CRYAC), is a small chaperone involved in chaperone-assisted selective autophagy (CASA) (PMID: 33562660). HSPB8 is expressed at relatively high levels in the heart and the skeletal muscle tissue. HSPB8 is composed of 196 amino acids with an apparent molecular mass of 21.6 kDa (PMID: 20570967).

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

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

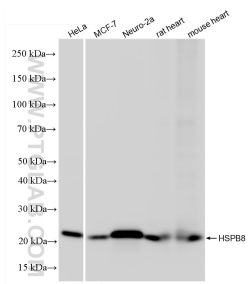
T: 4006900926

E: Proteintech-CN@ptglab.com

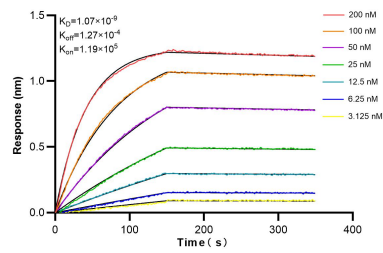
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86022-1-RR (HSPB8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86022-1-RR against Human HSPB8 were performed. The affinity constant is 1.07 nM.