

For Research Use Only

HSPB8 Recombinant antibody

Catalog Number: 86022-1-RR



Basic Information

Catalog Number:	86022-1-RR	GenBank Accession Number:	BC002673	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	26353	CloneNo.:	250197B5
Source:	Rabbit	UNIPROT ID:	Q9UJY1	Recommended Dilutions:	WB: 1:1000-1:4000
Isotype:	IgG	Full Name:	heat shock 22kDa protein 8		
Immunogen Catalog Number:	AG7456	Calculated MW:	22 kDa		
		Observed MW:	20-22 kDa		

Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB: HeLa cells, MCF-7 cells, Neuro-2a cells, rat heart tissue, mouse heart tissue
Species Specificity:	human, mouse, rat		

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

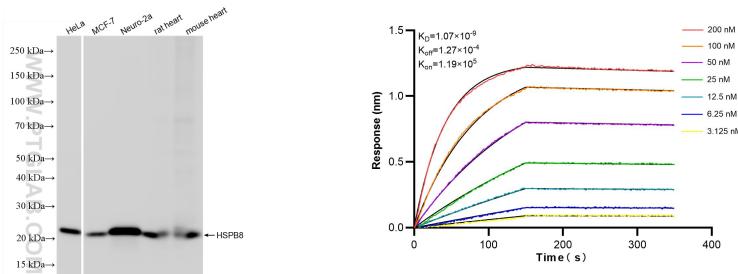
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.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.