

For Research Use Only

# HSPB8 Recombinant antibody, PBS Only

Catalog Number: 86022-1-PBS



## Basic Information

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

## Applications

### Tested Applications:

WB, Indirect ELISA

### 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 -80°C.

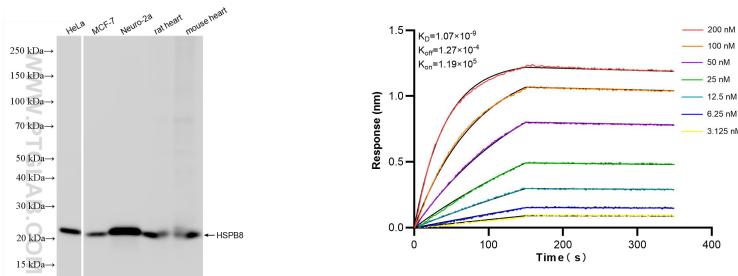
### Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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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. This data was developed using the same antibody clone with 86022-1-PBS in a different storage buffer formulation.

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