

For Research Use Only

HSPB8 Polyclonal antibody

Catalog Number: 15287-1-AP

13 Publications



Basic Information

Catalog Number:

15287-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Neuro-2a cells, SGC-7901 cells, mouse brain tissue, HEK-293 cells, mouse heart tissue, rat heart tissue

IHC : human heart tissue, human brain tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue, human testis tissue

IF/ICC : HEK-293 cells,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Thomas G Martin	34487557	J Cell Biochem	WB
Thomas G Martin	34011988	Nat Commun	WB, IF
Ramírez-Rodríguez Gerardo G	23536091	J Neurosci	IHC

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

*** 20ul sizes contain 0.1% BSA

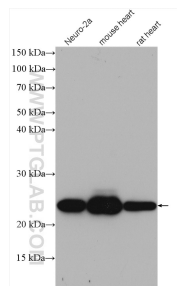
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

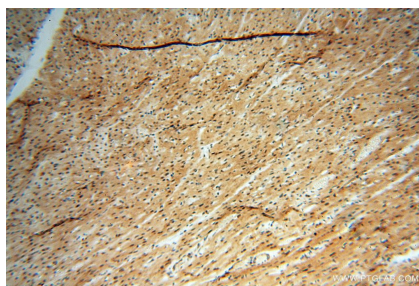
E: proteintech@ptglab.com
W: ptglab.com

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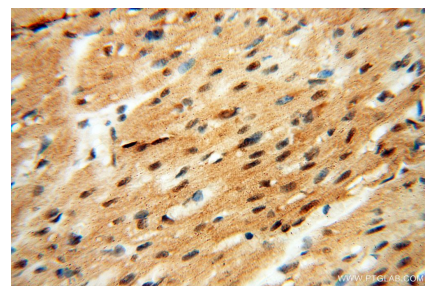
Selected Validation Data



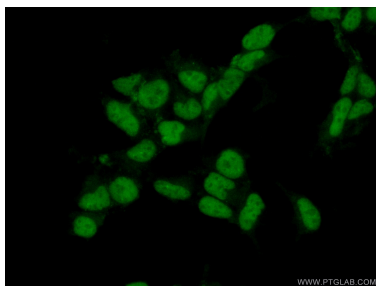
Various lysates were subjected to SDS PAGE followed by western blot with 15287-1-AP (HSPB8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 15287-1-AP (HSPB8 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 15287-1-AP (HSPB8 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 15287-1-AP (HSPB8 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).