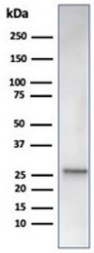
Recombinant HSPB1 Antibody / HSP27 [clone rHSPB1/6489] (V8989)

Catalog No.	Formulation	Size
V8989-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8989-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8989SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

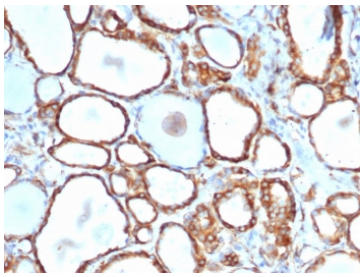
Recombinant | MOUSE MONOCLONAL

Bulk quote request

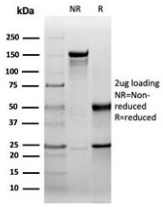
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rHSPB1/6489
Purity	Protein A/G affinity
UniProt	P04792
Localization	Predominantly cytoplasmic with some nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant HSPB1 antibody is available for research use only.



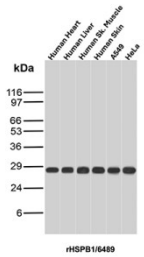
Western blot testing of human liver tissue lysate using recombinant HSPB1 antibody (clone rHSPB1/6489). Predicted molecular weight: 23-27 kDa.



IHC staining of FFPE human thyroid with recombinant HSPB1 antibody (clone rHSPB1/6489). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant HSPB1 antibody (clone rHSPB1/6489) as confirmation of integrity and purity.



Recombinant HSPB1 Antibody rHSPB1/6489 Detection in Human Tissues and Cell Lines WB. Western blot analysis of human heart, liver, skeletal muscle and skin tissue lysates, and A549 and HeLa cell lysates using Recombinant HSPB1 Antibody clone rHSPB1/6489 shows a strong, discrete band at approximately 27-28 kDa in all six samples, consistent with the expected migration of HSPB1/HSP27. Minimal background is observed across the tissue and cell lysates.

Description

HSP27 is a small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state. [UniProt]

For an additional monoclonal antibody to HSPB1 with Protein Microarray Validated specificity data, see our HSPB1 Antibody / Heat Shock Protein Beta-1 Antibody page.

Application Notes

Optimal dilution of the recombinant HSPB1 antibody should be determined by the researcher.

Immunogen

Recombinant human full-length HSP27 protein was used as the immunogen for the recombinant HSPB1 antibody.

Storage

Aliquot the recombinant HSPB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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