

For Research Use Only

HSP27 Recombinant antibody

Catalog Number: 80046-5-RR



Basic Information

Catalog Number: 80046-5-RR	GenBank Accession Number: NM_001540.5	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3315	CloneNo.: 250818H6
Source: Rabbit	UNIPROT ID: P04792	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: heat shock 27kDa protein 1	
Immunogen Catalog Number: EG4620	Calculated MW: 23kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, A549 cells
Species Specificity: human	

Background Information

HSPB1, also known as heat shock protein 27 (HSP27), belongs to the small heat shock protein family which is induced in response to environmental challenges or/and developmental transitions. It is also an anti-apoptotic protein that plays crucial roles in tumorigenesis and cell survival and is reported to be an independent prognosis marker for cancer. Recently HSPB1 has been found to be a valuable marker for melanoma. In addition to the predicted 27 kDa, an extra 50-55 kDa representing dimeric form of HSPB1 may also be observed (PMID: 21353161). It's notable that mouse HSP27 is also named HSP25 and has the predicted MW between 19-23 kDa.

Storage

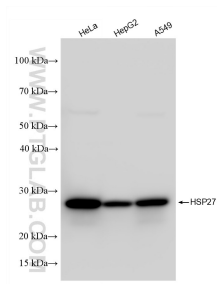
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80046-5-RR (HSP27 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.