

For Research Use Only

Multi-rAb® HSP27 Multi-Recombinant antibody

Catalog Number: RMX00089



Basic Information

Catalog Number: RMX00089	GenBank Accession Number: NM_001540.5	Purification Method: N/A
Size: 100ul , Concentration: 1040 µg/ml by Nanodrop;	GeneID (NCBI): 3315	Recommended Dilutions: WB: 1:20000-1:100000 IF/ICC: 1:250-1:1000
Source: Rabbit	UNIPROT ID: P04792	
Isotype: IgG	Full Name: heat shock 27kDa protein 1	
	Calculated MW: 23kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells
Species Specificity: human	IF/ICC : HeLa cells,

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

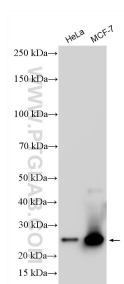
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

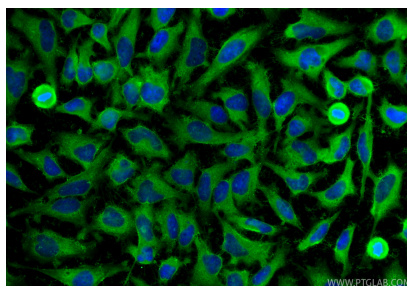
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00089 (HSP27 antibody) at dilution of 1:60000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using HSP27 antibody (RMX00089) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).