

For Research Use Only

HSP27 Recombinant antibody, PBS Only

Catalog Number: 80046-5-PBS



Basic Information

Catalog Number: 80046-5-PBS	GenBank Accession Number: NM_001540.5	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 3315	CloneNo.: 250818H6
Source: Rabbit	UNIPROT ID: P04792	
Isotype: IgG	Full Name: heat shock 27kDa protein 1	
Immunogen Catalog Number: EG4620	Calculated MW: 23kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

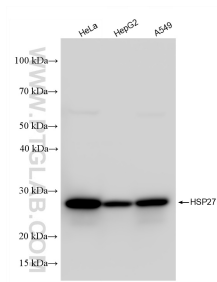
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Selected Validation Data



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. This data was developed using the same antibody clone with 80046-5-PBS in a different storage buffer formulation.