

For Research Use Only

Multi-rAb® HSP27 Multi-Recombinant antibody

Catalog Number: RMX00089



Basic Information

Catalog Number:

RMX00089

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001540.5

GeneID (NCBI):

3315

UNIPROT ID:

P04792

Full Name:

heat shock 27kDa protein 1

Calculated MW:

23kDa

Observed MW:

27 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:20000-1:100000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, MCF-7 cells

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

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

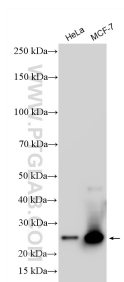
T: 4006900926

E: Proteintech-CN@ptglab.com

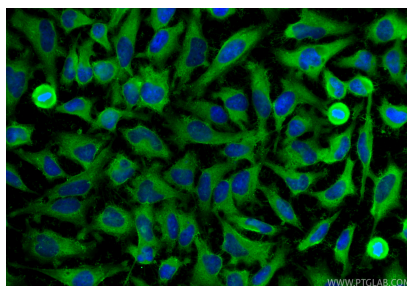
W: ptgcn.com

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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).