

For Research Use Only

HSP27 Recombinant antibody

Catalog Number: 80046-5-RR



Basic Information

Catalog Number:

80046-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4620

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:

Protein A purification

CloneNo.:

250818H6

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, A549 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

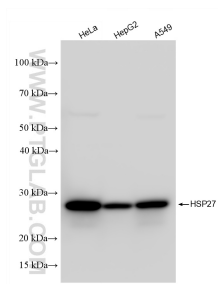
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Selected Validation Data



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.