

For Research Use Only

HSP27 Monoclonal antibody, PBS Only



Catalog Number: 66767-1-PBS

Featured Product

Basic Information

Catalog Number:

66767-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27859

GenBank Accession Number:

BC012768

GeneID (NCBI):

3315

UNIPROT ID:

P04792

Full Name:

heat shock 27kDa protein 1

Calculated MW:

19-23 kDa

Observed MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

3E7A1

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

Human, mouse, rat

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 (21353161).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

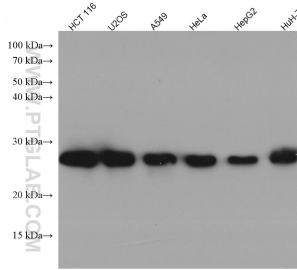
T: 4006900926

E: Proteintech-CN@ptglab.com

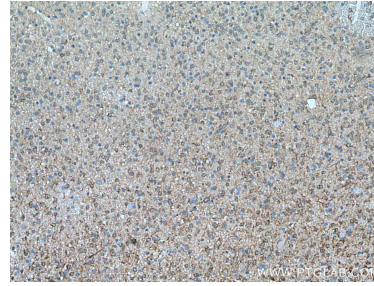
W: ptgcn.com

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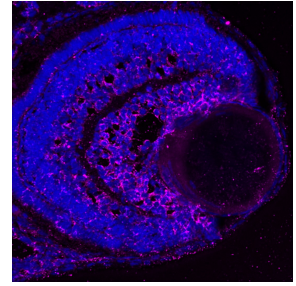
Selected Validation Data



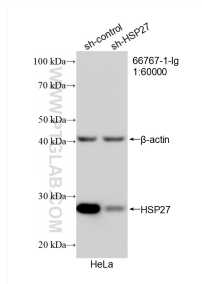
Various lysates were subjected to SDS PAGE followed by western blot with 66767-1-Ig (HSPB1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66767-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66767-1-Ig (HSPB1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66767-1-PBS in a different storage buffer formulation.



Antibody staining on tissue sections of the zebrafish retina at 5 days post fertilisation (dpf) for Heatshock protein 27 (Hsp27; magenta); (#66767-1-Ig) Dilution 1:200. Tissue fixed overnight in 4% PFA; DAPI, blue. Data generated by Natalia Jaroszynska in Professor Ryan MacDonald's lab, University College London, UK. This data was developed using the same antibody clone with 66767-1-PBS in a different storage buffer formulation.



WB result of HSP27 antibody (66767-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSP27 transfected HeLa cells. This data was developed using the same antibody clone with 66767-1-PBS in a different storage buffer formulation.