

Phospho-HSP27/HSPB1-S78 polyclonal antibody

Catalog: BS79359

Host: Rabbit

Reactivity: Human

Background:

The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

28kDa

Swiss-Prot:

P04792

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

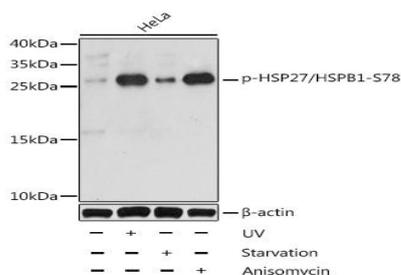
WB, 1:500 - 1:2000 | IHC, 1:50 - 1:100 | IF/ICC, 1:100 - 1:200

Storage&Stability:

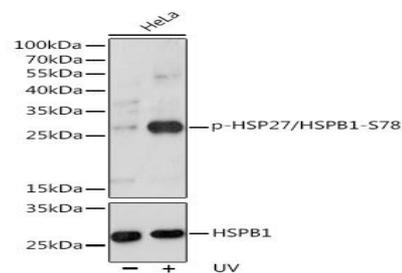
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

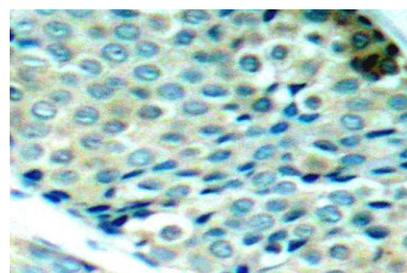
Phosphorylated

DATA:

Western blot analysis of extracts of HeLa cells, using Phospho-HSP27/HSPB1-S78 antibody at 1:1000 dilution. HeLa cells were treated by UV for 15-30 minutes or treated by serum-starvation overnight or treated by Anisomycin for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 30s.



Western blot analysis of extracts of HeLa cells, using Phospho-HSP27/HSPB1-S78 pAb at 1:1000 dilution or HSP27/HSPB1 antibody. HeLa cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-HSP27/HSPB1-S78 antibody. Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

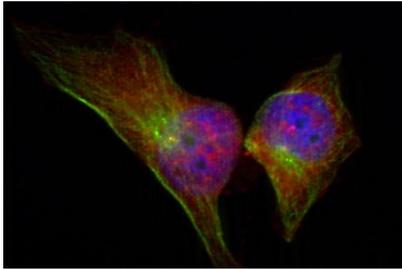
Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151



Immunofluorescence analysis of methanol-fixed HeLa cells showing cytoplasmic, nuclear, centrosomal, midbody staining using Phospho-HSP27/HSPB1-S78 antibody .

Note:

For research use only, not for use in diagnostic procedure.

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MN 55416, USA.

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