

AP0040

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Phospho-HSP27/HSPB1-S15 Rabbit pAb

Catalog No.: AP0040

1 Publications

Basic Information

Observed MW

27kDa

Calculated MW

23kDa

Category

Polyclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

Background

This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress, the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers, and the encoded protein may promote cancer cell proliferation and metastasis, while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy.

Recommended Dilutions

WB 1:500 - 1:1000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

3315

Swiss Prot

P04792

Immunogen

A synthetic phosphorylated peptide around S15 of human HSP27/HSPB1 (NP_001531.1).

Synonyms

CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102; Phospho-HSP27/HSPB1-S15

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

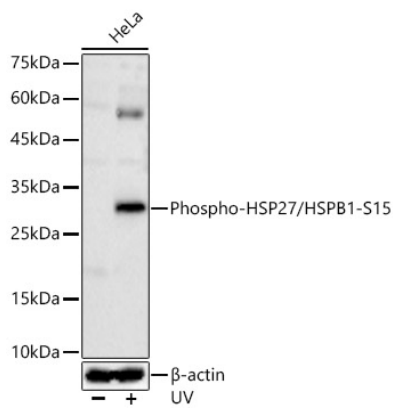
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-HSP27/HSPB1-S15 Rabbit pAb (AP0040) at 1:600 dilution. HeLa cells were treated by UV at room temperature for 15-30 minutes.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.

Immunoprecipitation analysis of 200 µg extracts of HeLa cells, using 3 µg Phospho-HSP27/HSPB1-S15 pAb (AP0040). Western blot was performed from the immunoprecipitate using Phospho-HSP27/HSPB1-S15 pAb (AP0040) at a dilution of 1:1000. HeLa cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum starvation overnight.

