

A16332

Leader in Biomolecular Solutions for Life Science



## [KO Validated] HSP27/HSPB1 Rabbit pAb

Catalog No.: A16332

**KO** Validated

2 Publications

### Basic Information

#### Observed MW

27kDa

#### Calculated MW

23kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### 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

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

3315

#### Swiss Prot

P04792

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human HSP27/HSP27/HSPB1 (NP\_001531.1).

#### Synonyms

CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102; B1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

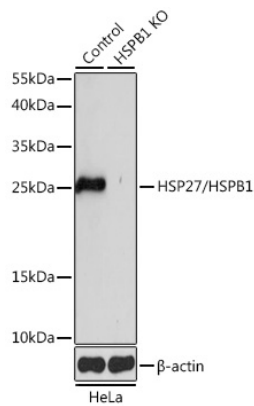
Affinity purification

#### Storage

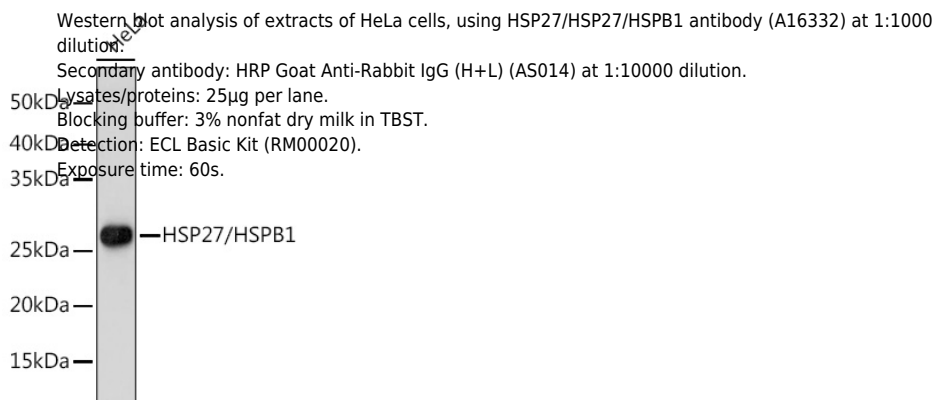
Store at -20°C. Avoid freeze / thaw cycles.

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

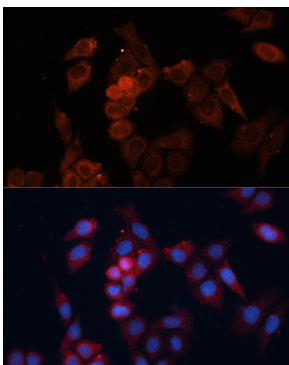
## Validation Data



Western blot analysis of extracts from normal (control) and HSP27/HSP27/HSPB1 knockout (KO) HeLa cells, using HSP27/HSP27/HSPB1 antibody (A16332) at 1:1000 dilution.  
 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: 5s.



Western blot analysis of extracts of HeLa cells, using HSP27/HSP27/HSPB1 antibody (A16332) at 1:1000 dilution.  
 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: 60s.



Immunofluorescence analysis of HeLa cells using HSP27/HSP27/HSPB1 antibody (A16332) at dilution of 1:100. Blue: DAPI for nuclear staining.