

## Phospho-HSP27/HSPB1-S82 Monoclonal Antibody

CABP1031

### Description

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This Phospho-HSP27/HSPB1-S82 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CABP1031
<b>Contents:</b>	20 $\mu$ L, 100 $\mu$ L Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	CMT2F, HMN2B, HSP27, HSP28, Hsp25, SRP27, HS.76067, HEL-S-102, Phospho-HSP27/HSPB1-S82
<b>Clone:</b>	ARC1576
<b>Applications:</b>	<span style="background-color: #f06292; padding: 2px;">WB</span> <span style="background-color: #bbdefb; padding: 2px;">ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Rat

### Antibody Data

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<b>Gene ID:</b>	3315
<b>Uniprot:</b>	AB_2863914
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	27 kDa
<b>Calculated MW:</b>	23 kDa

## Preparation & Storage

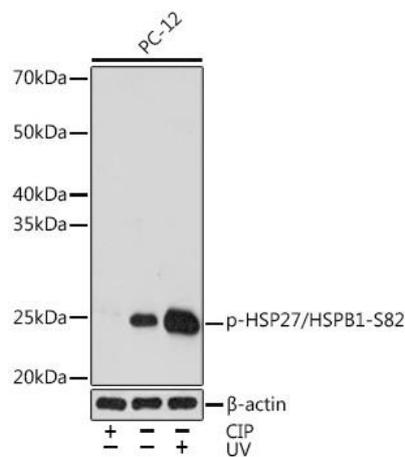
**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.  
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa treated with UV, PC-12, PC-12 treated with UV

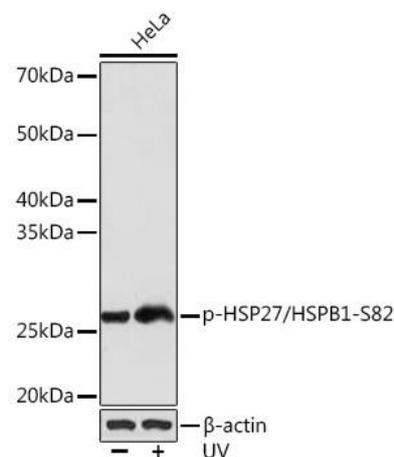
<b>Recommended Dilutions:</b>	<b>WB</b>	1:500 - 1:2000
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of lysates from PC-12 cells, using Phospho-/HSPB1- Rabbit mAb (CABP1031) at 1:1000 dilution. PC-12 cells were treated with CIP (1 U/u) at 37°C for 1 hour or treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Western blot analysis of lysates from HeLa cells, using Phospho-/HSPB1- Rabbit mAb (CABP1031) at 1:1000 dilution. HeLa cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.

