

## Phospho-HSP27/HSPB1-S82 Antibody

CABP0041

### Description

---

This Phospho-HSP27/HSPB1-S82 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

---

**SKU:** CABP0041

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** CMT2F, HMN2B, HSP27, HSP28, Hsp25, SRP27, HS.76067, HEL-S-102, Phospho-HSP27/HSPB1-S82

**Clone:** -

**Applications:** WB IHC-P IP ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human

### Antibody Data

---

**Gene ID:** 3315

**Uniprot:** AB\_2771186

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 28kDa

**Calculated MW:** 23kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

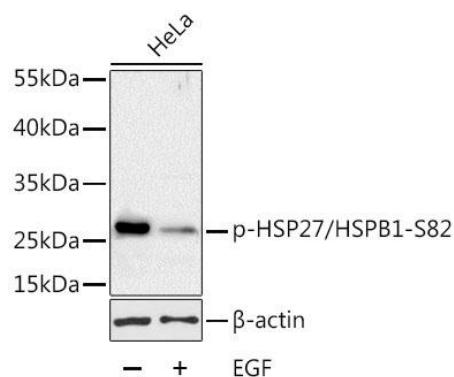
**Positive Sample:** HeLa treated with EGF, HeLa treated with UV, HeLa treated with Anisomycin

**Recommended Dilutions:**

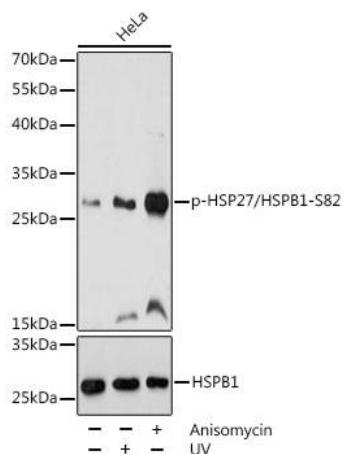
<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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 HeLa cells, using Phospho-/HSPB1- Rabbit pAb (CABP0041) at 1:1000 dilution. HeLa cells were treated with EGF (100ng/mL) for 30 minutes after serum-starvation overnight. 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: 1min.



Western blot analysis of lysates from HeLa cells, using Phospho-/HSPB1- pAb (CABP0041) at 1:1000 dilution or /HSPB1 antibody (CAB16332). HeLa cells were treated with UV at room temperature for 15-30 minutes. HeLa cells were treated with Anisomycin (25  $\mu$ g/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.