

Phospho-HSP27/HSPB1-S15 Antibody

CABP0040

Description

This Phospho-HSP27/HSPB1-S15 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:	CABP0040
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	CMT2F, HMN2B, HSP27, HSP28, Hsp25, SRP27, HS.76067, HEL-S-102, Phospho-HSP27/HSPB1-S15
Clone:	-
Applications:	WB IP ELISA
Conjugation:	Unconjugated
Reactivity:	Human

Antibody Data

Gene ID:	3315
Uniprot:	AB_2771183
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	27kDa
Calculated MW:	23kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, 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.

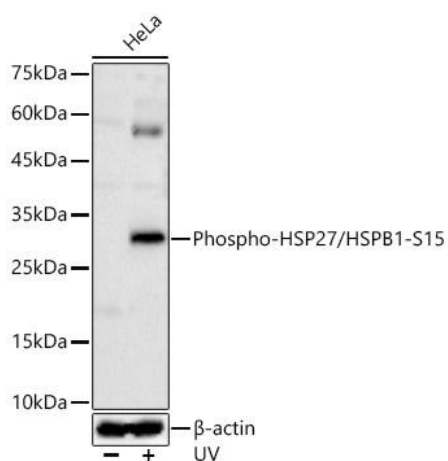
Positive Sample: HeLa treated with UV

Recommended Dilutions:

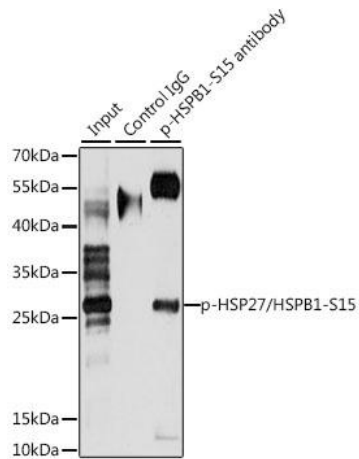
WB	1:500 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 (CABP0040) at 1:600 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% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells, using 3 µg Phospho-/HSPB1- pAb (CABP0040). Western blot was performed from the immunoprecipitate using Phospho-/HSPB1- pAb (CABP0040) at a dilution of 1:1000. HeLa cells were treated with EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.