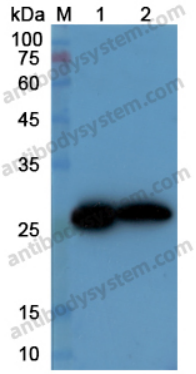
Anti-HSPB1/HSP27 Polyclonal Antibody

Summary

Catalog No.	PHC10501
Host species	Rabbit
Tested applications	ELISA: 1:4000-1:8000, IHC: 1:50-1:100, WB: 1:1000-1:4000
Species reactivity	Human, Mouse, Rat
Immunogen	E. coli - derived recombinant Human HSPB1/HSP27 (Met1-Lys205).
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300.
Clonality	Polyclonal
Isotype	IgG
Applications	ELISA, IHC, WB
Target	Estrogen-regulated 24 kDa protein,Heat shock 27 kDa protein,SRP27,Heat shock protein beta-1,Stress-responsive protein 27,HspB1,28 kDa heat shock protein,HSPB1,HSP27,HSP28,HSP 27
Purification	Purified by antigen affinity column.
Accession	P04792
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
Note	For research use only.

Data Image



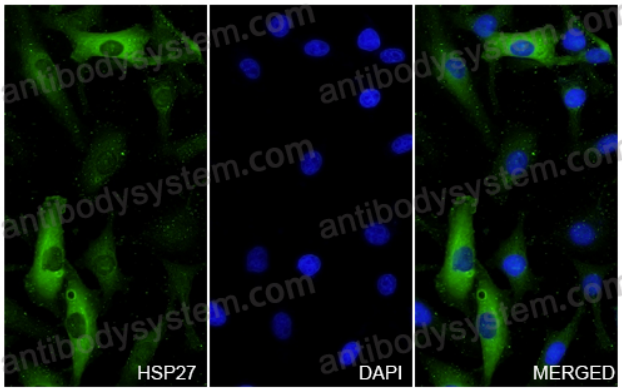
Western blot

Various lysates were subjected to SDS PAGE followed by western blot with HSPB1 / HSP27 antibody (PHC10501) at 0.25µg/ml.

Lane 1: Hela cell lysate
Lane 2: K562 cell lysate

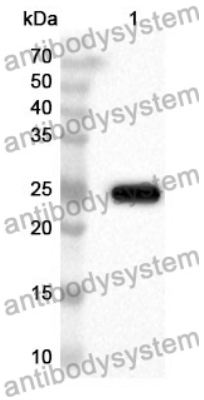
Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 22 kDa
Observed MW: 27 kDa



Immunocytochemistry/ Immunofluorescence

HSPB1 / HSP27 in MDA-MB-231 Cell Line.
The MDA-MB-231 cells were fixed with 4% paraformaldehyde (20 min), and then blocked with 5% goat serum for 1h. And the cells were incubated for 2h at 37°C with HSPB1 / HSP27 (PHC10501) at 5 µg/ml. The section was then incubated with Goat Anti-Rabbit IgG (Alexa Fluor-488) preabsorbed at 1/100 dilution (Shown in green) for 1 hour at room temperature.Nuclear DNA was labelled with DAPI (shown in blue).



Western Blot

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with HSPB1/HSP27 antibody (PHC10501) at 1 µg/ml.

Lane 1: Recombinant Protein

Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 25 kDa
Observed MW: 25 kDa