

Anti-HSPB1 antibody (1-120) (STJ118760)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

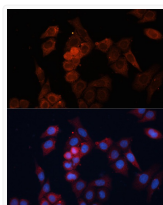
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 23kDa Observed Mw: 27kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

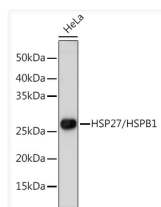
Gene ID	3315
Gene Symbol	HSPB1
UniProt ID	HSPB1_HUMAN
Immunogen Region	1-120
Immunogen Sequence	MTERRVPFSLRGPSWDPFRLDWYPHSRLFDQAFGLPRLPEEWSQWLGGSSWPGYVRPLPPAAIESPAVAAPAYSRLSRQLSSGVSEIRHTADRWVRVSLDVNHFAPDELTVKTKDGVVEI
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human HSP27/HSP27/HSPB1 (NP_001531.1).

ADDITIONAL INFORMATION

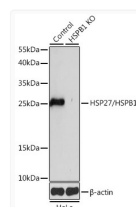
Note: STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



Immunofluorescence analysis of HeLa cells using HSP27/HSP27/HSPB1 antibody (STJ118760) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of HeLa cells, using HSP27/HSP27/HSPB1 antibody (STJ118760) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Western blot analysis of extracts from normal (control) and HSP27/HSP27/HSPB1 knockout (KO) HeLa cells, using HSP27/HSP27/HSPB1 antibody (STJ118760) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.