

Anti-HSPB1 antibody (1-100) (STJ24101)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

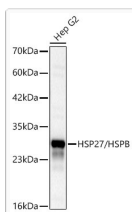
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:1000-1:5000 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 23kDa Observed Mw: 25kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

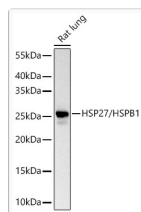
Gene ID	3315
Gene Symbol	HSPB1
UniProt ID	HSPB1_HUMAN
Immunogen Region	1-100
Immunogen Sequence	MTERRVPFSLRGPSWDPFR DWYPHSRLFDQAFGLPRLPE EWSQWLGGSSWPGYVRPLPP AAIESPAVAAPAYSRLSRQ LSSGVSEIRHTADRWRVSLD
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human HSP27/HSPB1 (NP_001531.1).

ADDITIONAL INFORMATION

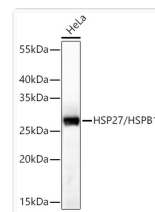
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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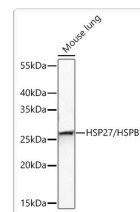
Western blot analysis of lysates from Hep G2 cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 10s.



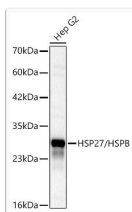
Western blot analysis of lysates from Rat lung cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 60s.



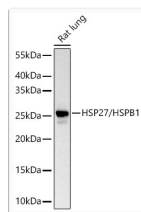
Western blot analysis of lysates from HeLa cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 5s.



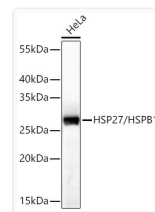
Western blot analysis of lysates from Mouse lung using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 30s.



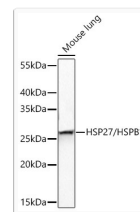
Western blot analysis of lysates from Hep G2 cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 10s.



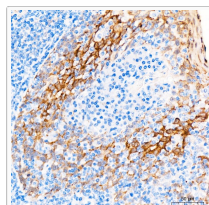
Western blot analysis of lysates from Rat lung cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 60s.



Western blot analysis of lysates from HeLa cells using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 5s.



Western blot analysis of lysates from Mouse lung using HSP27/HSPB1 Rabbit pAb (STJ24101) at 1:1000 dilution incubated overnight at 4C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using HSP27/HSPB1 Rabbit pAb (STJ24101) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Bufferr (pH 6. 0) prior to immunohistochemistry staining.