

Rabbit HSP27/HSPB1 Polyclonal Antibody | anti-HSP27/HSPB1 antibody

[KO Validated] HSP27/HSPB1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28328	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

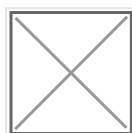
PRODUCT SYNONYMS

HSP27/HSPB1; Polyclonal Antibody; [KO Validated] HSP27/HSPB1 Rabbit pAb; HSPB1; CMT2F; HEL-S-102; HMN2B; HS.76067; HSP27; HSP28; Hsp25; SRP27; anti-HSP27/HSPB1 antibody

PRODUCT SPECIFICATIONS

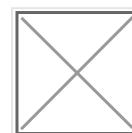
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MTERRVPFSL LRGPSWDPFR DWYPHSRLFD QAFGLPRLPE EWSQWLGGSS WPGYVRPLPP AAIESPAVAA PAYSRALSRLQ LSSGVSEIRH TADRWRVSLD VNHFAPELDT VKTKDGVVEI
Applicable Applications for anti-HSP27/HSPB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human HSP27/HSP27/HSPB1 (NP_001531.1).
Cellular Location	Cytoplasm, Nucleus, cytoskeleton, spindle
Positive Samples	HeLa
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using HSP27/HSP27/HSPB1 antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

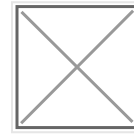
Immunohistochemistry of paraffin-embedded rat brain using HSP27/HSP27/HSPB1 antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat ovary using HSP27/HSP27/HSPB1 antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human breast cancer using HSP27/HSP27/HSPB1 antibody at dilution of 1:100 (40x lens).

**WB (Western Blot)**

Western blot analysis of extracts of HeLa cells, using HSP27/HSP27/HSPB1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-HSP27/HSPB1 antibody	Background: The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).
Product Categories/Family for anti-HSP27/HSPB1 antibody	Epigenetics & Nuclear Signaling ; RNA Binding ; Research ; Protein phosphorylation ; Research ; Cancer ; Tumor biomarkers ; Research ; Signal Transduction ; MAPK-P38 Signaling Pathway ; Research ; Cell Biology & Developmental Biology ; Apoptosis ; Inhibition of Apopto

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
NCBI GeneID	3315
NCBI Accession #	NP_001531.1
NCBI GenBank Nucleotide #	NM_001540.3
UniProt Accession #	P04792 ; Q6FI47 ; Q96C20 ; Q96EI7 ; Q9UC31 ; Q9UC34 ; Q9UC35 ; Q9UC36 ; B2R4N8
Molecular Weight	22,783 Da
NCBI Official Full Name	heat shock protein beta-1
NCBI Official Synonym Full Names	heat shock 27kDa protein 1
NCBI Official Symbol	HSPB1
NCBI Official Synonym Symbols	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067
NCBI Protein Information	heat shock protein beta-1; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27; estrogen-regulated 24 kDa protein
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HSP28; HspB1; HSP 27; SRP27
UniProt Entry Name	HSPB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

