

Datasheet for ABIN3023550
anti-HSP27 antibody (pSer82)



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5 Images

Overview

Quantity:	100 µL
Target:	HSP27 (HSPB1)
Binding Specificity:	pSer82
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP27 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S82 of human HSP27/HSPB1 (NP_001531.1).
Sequence:	QLSSG
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	HSP27 (HSPB1)
Alternative Name:	HSPB1 (HSPB1 Products)

Target Details

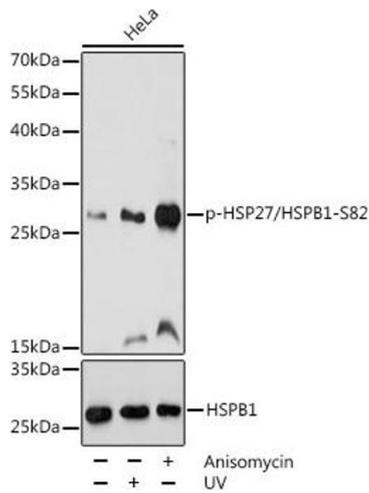
Background:	<p>The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).,HSPB1,CMT2F,HEL-S-102,HMN2B,HS.76067,HSP27,HSP28,Hsp25,SRP27,Epigenetics & Nuclear Signaling,RNA Binding,Cancer,Tumor biomarkers,Signal Transduction,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Cytoskeleton,Actins,Stem Cells,Cardiovascular,Heart,Contractility,Protein phosphorylation,HSPB1</p>
Molecular Weight:	22 kDa
Gene ID:	3315
UniProt:	P04792
Pathways:	MAPK Signaling , Regulation of Actin Filament Polymerization , Signaling Events mediated by VEGFR1 and VEGFR2 , Negative Regulation of intrinsic apoptotic Signaling , VEGF Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:100
Restrictions:	For Research Use only

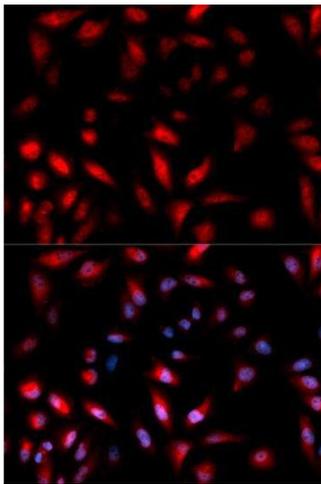
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



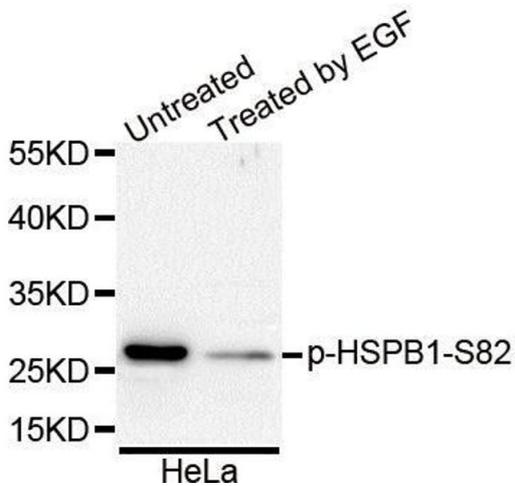
Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells, using Phospho-HSP27/HSPB1-S82 pAb (ABIN3023549, ABIN3023550, ABIN3023551 and ABIN6225403) at 1:1000 dilution or HSP27/HSPB1 antibody (ABIN7267568). HeLa cells were treated by UV at room temperature for 15-30 minutes. HeLa cells were treated by Anisomycin (25 μ g/mL) at 37 $^{\circ}$ C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using Phospho-HSPB1-S82 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3023550.