



# HSP27 (phospho Ser15) rabbit pAb

Cat No.:ES1330

For research use only

## Overview

<b>Product Name</b>	HSP27 (phospho Ser15) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HSP27 around the phosphorylation site of Ser15. AA range:5-54
<b>Specificity</b>	Phospho-HSP27 (S15) Polyclonal Antibody detects endogenous levels of HSP27 protein only when phosphorylated at S15.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Heat shock protein beta-1
<b>Gene Name</b>	HSPB1
<b>Cellular localization</b>	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuc
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	26kD
<b>Human Gene ID</b>	3315
<b>Human Swiss-Prot Number</b>	P04792
<b>Alternative Names</b>	HSPB1; HSP27; HSP28; Heat shock protein beta-1;

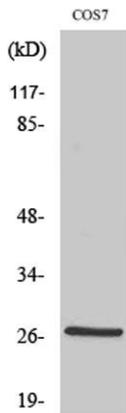




## Background

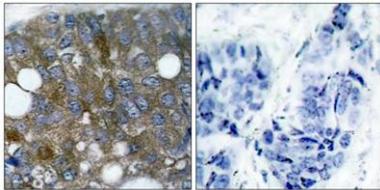
HspB1; 28 kDa heat shock protein;  
Estrogen-regulated 24 kDa protein; Heat shock 27  
kDa protein; HSP 27; Stress-responsive protein 27;  
SRP27

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).  
[provided by RefSeq, Oct 2008],



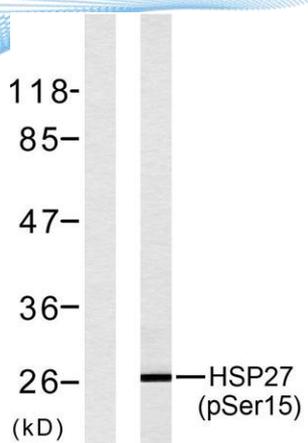
Western Blot analysis of various cells using  
Phospho-HSP27 (S15) Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HSP27 (Phospho-Ser15) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from HeLa cells treated with UV, using HSP27 (Phospho-Ser15) Antibody. The lane on the left is blocked with the phospho peptide.



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