## Phospho-HSP27 (Ser82) Antibody II





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<b>Applications:</b> W, IHC-P, IF-IC, FC- FP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 27	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P04792	Entrez-Gene Id: 3315		
Product Usage Information		<b>Application</b> Western Blotting Immunohistochemist Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:100 1:400 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	Phospho-HSP27 (Ser82) Antibody II detects endogenous HSP27 only when phosphorylated at Ser82. The antibody does not recognize other heat shock proteins.						
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser82 of human HSP27. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		in various cell types a and posttranslational confer cellular resista Ser78, and Ser82 by N Phosphorylation of H multimers to dimers	nd tissues. Like othe levels (1). In respor ince to the adverse of MAPKAPK-2 as a resu SP27 causes a chan and monomers (4).	small HSPs that are cor er small HSPs, HSP27 is ise to stress, the HSP27 environmental change. It of the activation of th ge in its tertiary structur It has been shown that p polymerization and reor	regulated at both t expression increase HSP27 is phosphor e p38 MAP kinase e, which shifts fror phosphorylation an	he transcriptional es several-fold to ylated at Ser15, pathway (2,3). n large homotypic		
Background Re	ferences	1. Stetler, R.A. et al. (2 2. Landry, J. et al. (199 3. Rouse, J. et al. (199 4. Rogalla, T. et al. (19 5. Lavoie, J.N. et al. (1 6. Rousseau, S. et al. (	92) <i>J Biol Chem</i> 267, 4) <i>Cell</i> 78, 1027-37. 999) <i>J Biol Chem</i> 274 993) <i>J Biol Chem</i> 268	794-803. , 18947-56. 3, 24210-4.				
Species Reactiv	/ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	, western blot).		
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	ey	<b>W:</b> Western Blotting <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivit	у Кеу	H: Human M: Mouse R: Rat Mk: Monkey						
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