

anti-Human HSP27 Antibody | anti-HSP27 antibody

HSP27 (Phospho-Ser78) Antibody

CATALOG # AAA110939	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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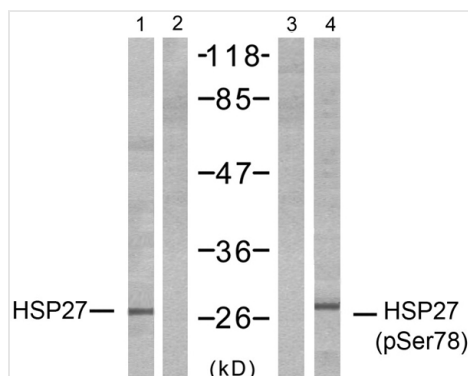
PRODUCT SYNONYMS

HSP27; HSP27 (Phospho-Ser78) Antibody; anti-HSP27 antibody

PRODUCT SPECIFICATIONS

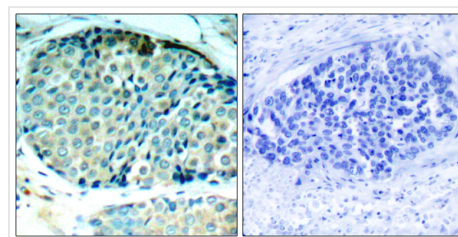
Reactivity	Human
Specificity	HSP27 (phospho-Ser78) antibody detects endogenous levels of HSP27 only when phosphorylated at serine 78.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	205
Applicable Applications for anti-HSP27 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human HSP27 around the phosphorylation site of serine 78 (A-L-SP-R-Q).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using HSP27 (Ab-78) antibody and HSP27 (phospho-Ser78) antibody.



IHC (Immunohistochemistry)

P-Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using HSP27 (phospho-Ser78) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HSP27 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	J Landry, et al. (1992) J. Biol. Chem., Vol. 267, Issue 2: 794-803 Sita Somara, et al. (2004) Am J Physiol Cell Physiol 286: C1290-C1301 Catherine Gaitanaki, et al. (2003) Experimental Biology 206, 2759-2769 (2003) Jing Dong, et al. (2004) Am J Physiol Renal Physiol 287: F1049-F1058.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
NCBI GeneID	3315
NCBI Accession #	NP_001531.1
NCBI GenBank Nucleotide #	NM_001540.4
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 protein family B (small) member 1
NCBI Official Symbol	HSPB1
NCBI Official Synonym Symbols	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
NCBI Protein Information	heat shock protein beta-1
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HSP28; HspB1; HSP 27; SRP27

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.