



HSP27 (Phospho-Ser78) Antibody

#11247

Catalog Number: 11247-1, 11247-2

Amount: 50 μ g/50 μ l, 100 μ g/100 μ l

Swiss-Prot No. : P04792

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human HSP27 around the phosphorylation site of serine 78 (A-L-S^P-R-Q)

Purification: The antibody was 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.

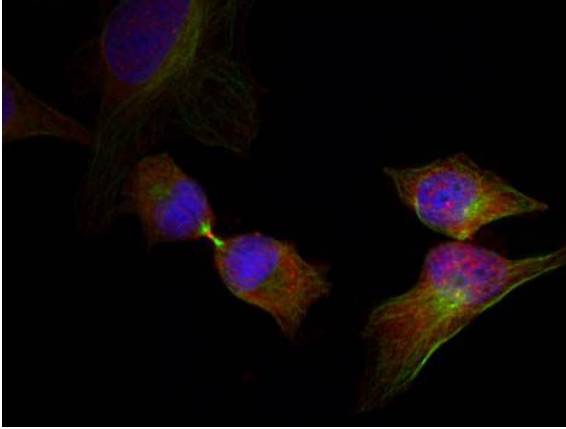
Specificity/Sensitivity: HSP27 (phospho-Ser78) antibody detects endogenous levels of HSP27 only when phosphorylated at serine 78.

Reactivity: Human,

Applications:

Predicted MW: 27kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF:1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic, nuclear centrosomal, midbody staining using HSP27 (phospho-Ser78) antibody (#11247, Red).

Background :

Involved in stress resistance and actin organization

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