Recombinant Phospho-HSP27 (Ser78) Monoclonal Antibody

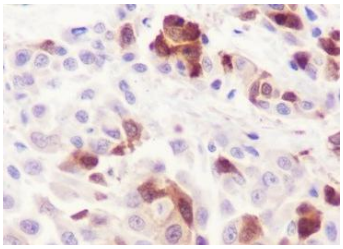
catalog number: AN302087L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

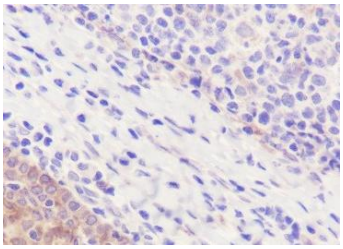
Description

Reactivity	Human;
Immunogen	phosphorylated human HSP27 (Ser78) peptide
Host	Rabbit
Isotype	IgG, κ
Clone	A811
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

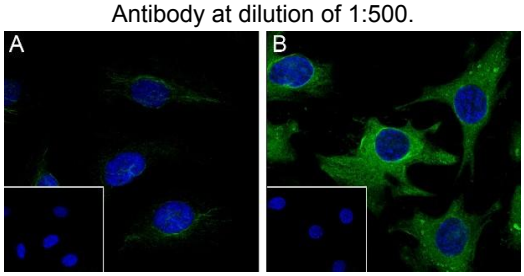
Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:100-1:500
IF	1:50
IP	1:50-1:100



Immunohistochemistry of paraffin-embedded Human cervical cancer using Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Human tonsil using Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:500.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed A: HeLa, B HeLa+ Anisomycin(+) cells using anti-Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017

Hsp27 is one of the small HSPs that are constitutively expressed at different levels in various cell types and tissues. Like other small HSPs, HSP27 is regulated at both the transcriptional and posttranslational levels. In response to stress, the HSP27 expression increases several-fold to confer cellular resistance to the adverse environmental change. HSP27 is phosphorylated at Ser15, Ser78, and Ser82 by MAPKAPK-2 as a result of the activation of the p38 MAP kinase pathway. Phosphorylation of HSP27 causes a change in its tertiary structure, which shifts from large homotypic multimers to dimers and monomers. It has been shown that phosphorylation and increased concentration of HSP27 modulates actin polymerization and reorganization.

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