Recombinant Phospho-HSP27 (Ser78) Monoclonal Antibody

catalog number: **AN302087L**

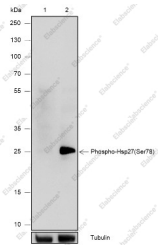
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	phosphorylated human HSP27 (Ser78) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C311708
Purification	Protein A affinity purification
Conjugation	Unconjugated
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

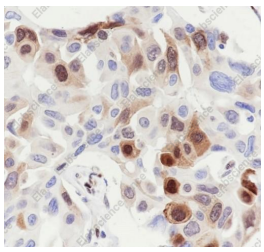
Data



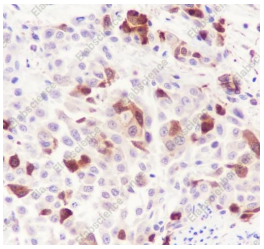
Western Blot with Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa + Anisomycin(-), 2 HeLa+ Anisomycin(+)

Observed-MW:27 kDa

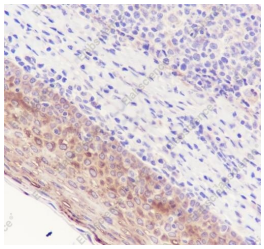
Calculated-MW:23 kDa



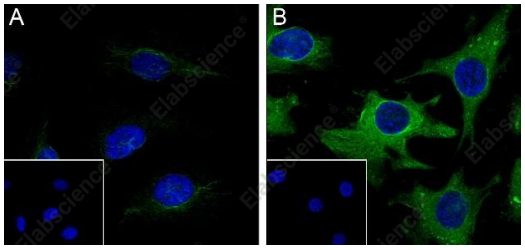
Immunohistochemistry of paraffin-embedded Human breast cancer using Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:500.



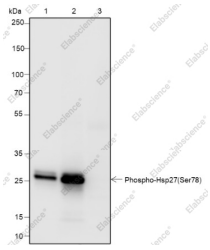
Immunohistochemistry of paraffin-embedded Human cervical cancer using Phospho-HSP27 (Ser78) Monoclonal Antibody at dilution of 1:500.



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.



Immunoprecipitation analysis using anti-Phospho-HSP27 (Ser78) Monoclonal Antibody. Western blot was performed from the immunoprecipitate using Phospho-HSP27 (Ser78) Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: Phospho-HSP27 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:27 kDa

Calculated-MW:23 kDa

Preparation & Storage

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

Background

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 chang e. 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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