

Hsp27(Phospho-S78) Rabbit mAb

Catalog No: #13415

Package Size: #13415-1 50ul #13415-2 100ul

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Description

Product Name	Hsp27(Phospho-S78) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	JJ08-70
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser78 of human Hsp27.
Conjugates	Unconjugated
Other Names	Heat shock 27kDa protein antibody 28 kDa heat shock protein antibody CMT2F antibody DKFZp586P1322 antibody epididymis secretory protein Li 102 antibody Estrogen regulated 24 kDa protein antibody Estrogen-regulated 24 kDa protein antibody Heat shock 25kDa protein 1 antibody Heat shock 27 kDa protein antibody Heat shock 27kD protein 1 antibody Heat shock 27kDa protein 1 antibody Heat shock 28kDa protein 1 antibody Heat Shock Protein 27 antibody Heat shock protein beta 1 antibody Heat shock protein beta-1 antibody heat shock protein family B (small) member 1 antibody HEL-S-102 antibody HMN2B antibody HS.76067 antibody Hsp 25 antibody HSP 27 antibody Hsp 28 antibody Hsp B1 antibody Hsp25 antibody HSP27 antibody Hsp28 antibody HspB1 antibody HSPB1_HUMAN antibody SRP27 antibody Stress responsive protein 27 antibody Stress-responsive protein 27 antibody
Accession No.	Swiss-Prot#:P04792
Calculated MW	Predicted band size: 23 kDa
SDS-PAGE MW	Observed band size: 27 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

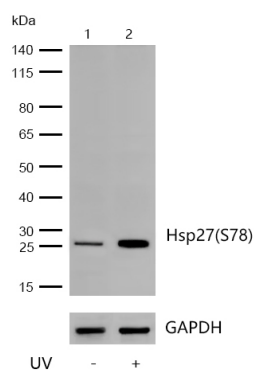
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes: Hsp27(Phospho-S78) Rabbit mAb at 1/1k dilution

Lane 1 : HeLa whole cell lysates

Lane 2 : HeLa treated with UV for 2 hours whole cell lysates

Lysates/proteins at 20 µg per lane.

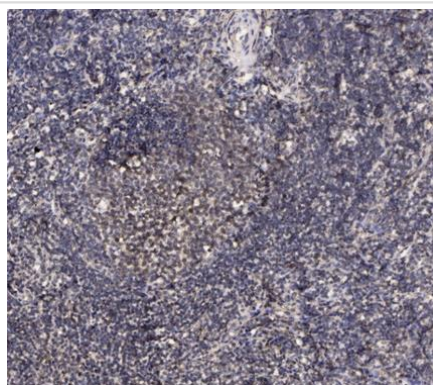
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

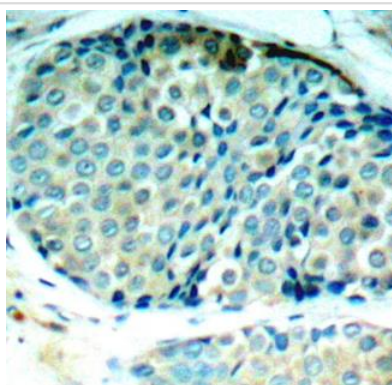
Predicted band size: 23 kDa

Observed band size: 27 kDa

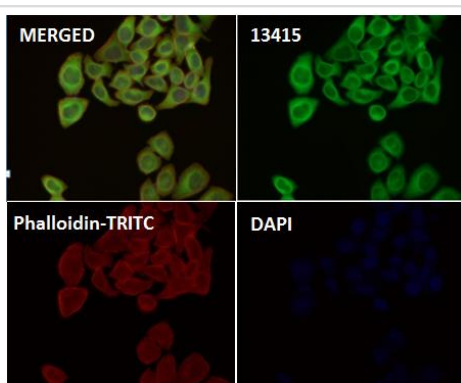
Exposure time: 10 seconds



Formalin-fixed, paraffin-embedded human tonsil tissue stained for Hsp27 (Phospho-S78) using 13415 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for Hsp27 (Phospho-S78) using 13415 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence

Hsp27(Phospho-S78) antibody (13415)

ICC/IF staining of Hsp27(Phospho-S78) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 13415 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

The cells were incubated 30 minutes at room temperature with phalloidin tritc .

Nuclei were counterstained with DAPI.

Background

HSP 27 is a constitutively expressed cytoplasmic protein that co-localizes to the nucleus upon stress-induced insult. Heat shock, cytokines and hormones are among the factors that stimulate the synthesis of HSP 27. The intracellular concentration of the mammalian heat shock protein, HSP 27, increases several-fold after heat shock and other metabolic stresses, and is closely associated with the acquisition of thermotolerance. MAP kinase-activated protein kinase-2 phosphorylates HSP 27 on Serine residues Ser 15, Ser 78 and Ser 82, which are phosphorylated in vivo in response to growth factors and heat shock. Ser 15, Ser 78 and Ser 82 occur in the sequence motif RXXS, which is recognized by ribosomal protein S6 kinase II.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.