

Summary

Production Name	Hsp27 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP,IHC,ICC
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Hsp27 HSPB1; HSP27; HSP28; Heat shock protein beta-1; HspB1; 28 kDa heat shock protein;
Alternative Names	Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27; SRP27
Gene ID	3315.0
SwissProt ID	P04792.A synthetic peptide of human Hsp27

Application

Dilution Ratio	WB:1:500-1:1000,IP:1:10-1:20,IHC:1:50-1:100,ICC:1:50-1:200
Molecular Weight	Calculated MW: 23 kDa; Observed MW: 27 kDa

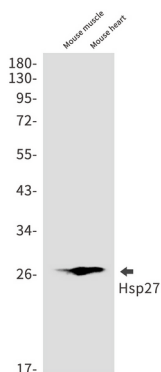
Background

Heat shock protein (HSP) 27 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.

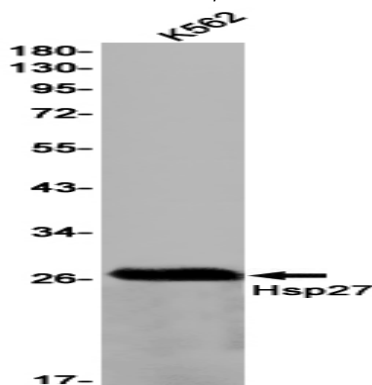
Research Area

MAPK signaling pathway

Image Data

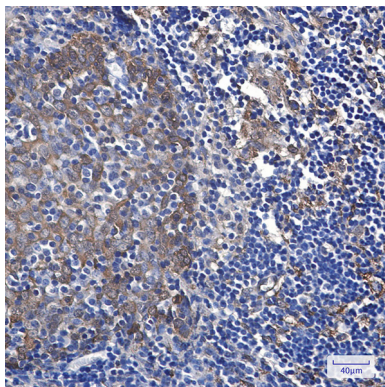


Western blot analysis of Hsp27 in mouse muscle, mouse heart lysates using Hsp27 antibody.



Western blot analysis of Hsp27 in K562 lysates using Hsp27 antibody.

Product Name: Hsp27 Rabbit Monoclonal Antibody
Catalog #: AMRe85678



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Hsp27 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.