

Anti-HSP27 Rabbit pAb



WL05433

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-HSP27 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
	IHC, IF	1:100-1:500	
Cellular localization	Cytoplasm, Nucleus, Cytoskeleton, Spindle.		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Heat shock protein 27 is one of the small HSPs that are constitutively expressed at different levels in various cell types and tissues. HSP27 is a constitutively expressed cytoplasmic protein that co-localizes to the nucleus upon stress induced by insult. Heat, cytokines and hormones are among the factors that stimulate the synthesis of HSP27. In vitro, HSP27 becomes highly phosphorylated following exposure to stress. HSP27 is phosphorylated at Ser15, Ser78, and Ser82 by MAPKAPK-2 as a result of the activation of the p38 MAP kinase pathway. The discovery that HSP27 is regulated by hormones such as estrogen has led to studies establishing a relationship between HSP27 and breast cancer.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of HSP27.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

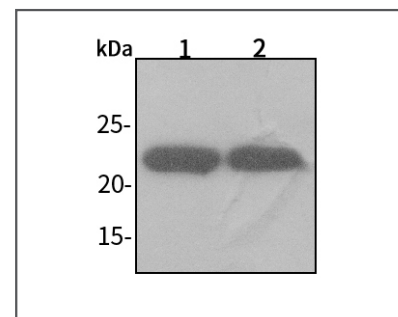
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Product Images



Western blot-Anti-HSP27 pAb

Lane 1: Human SW480 cell lysate

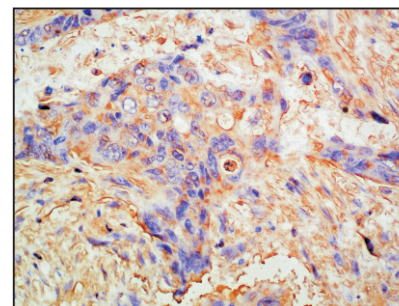
Lane 2: Human A549 cell lysate

All lanes: Anti-HSP27 at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 23 kDa

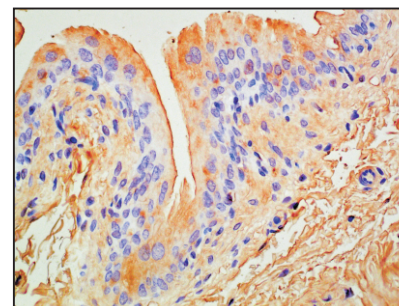
Observed band size: 23 kDa



Immunohistochemistry-Anti-HSP27 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-HSP27 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-HSP27 pAb

Immunohistochemical analysis of paraffin-embedded rat bladder using anti-HSP27 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

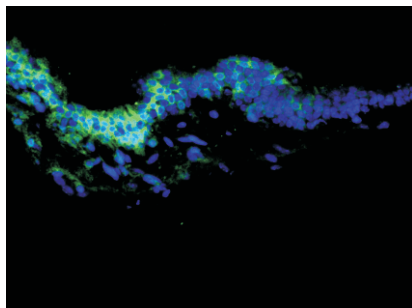


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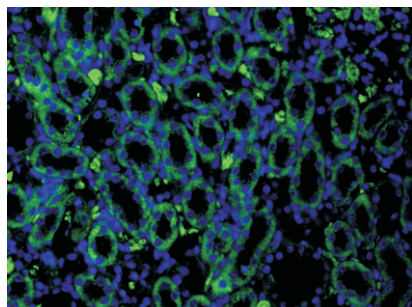
Product Information



Immunofluorescence-Anti-HSP27 pAb

Immunofluorescence analysis of paraffin-embedded mouse gallbladder using anti-HSP27 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-HSP27 pAb

Immunofluorescence analysis of paraffin-embedded rat kidney using anti-HSP27 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0