For Research Use Only

HSP27 Polyclonal antibody

Catalog Number: 18284-1-AP

Featured Product 41 Publications

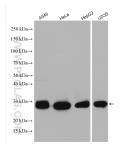


Basic Information	Catalog Number: 18284-1-AP	GenBank Accession N BC012768	lumber:	Purification Method: Antigen affinity purification						
	Size: 150ul , Concentration: 700 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG13161	GeneID (NCBI):		Recommended Dilutions:						
		3315 UNIPROT ID: P04792 Full Name: heat shock 27kDa protein 1 Calculated MW: 19-23 kDa Observed MW:		WB: 1:5000-1:50000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500 FC (Intra): 0.50 ug per 10^6 cells in a 100 µl suspension						
					27 kDa					
					Applications	Tested Applications:	Positive Controls:			
						WB, IHC, IF/ICC, FC (Intra), ELISA		WB : A549 cells, HeLa cells, C6 cells, mouse liver		
						Cited Applications: WB, IHC, IF, IP, CoIP, ELISA		•	Je, HepG2 cells, U2OS cells : human lung cancer tissue, human liver cancer Je, human gliomas tissue	
						Species Specificity:				
		human, mouse, rat		IF/ICC : HeLa cells, MCF-7 cells						
Cited Species: human, mouse, rat, pig, chicken, fish		FC (Intra) : MCF-7 cells,								
TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0										
Background Information	marker for cancer. Recently HSPB1 ha	al challenges or/and de norigenesis and cell su as been found to be a v representing dimeric	evelopmental tr rvival and is rep aluable marker form of HSPB1 n	ansitions. It is also an anti-apoptotic ported to be an independent prognosis for melanoma. In addition to the nay also be observed (PMID: 2135316						
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Notable Publications	induced in response to environmenta protein that plays crucial roles in turn marker for cancer. Recently HSPB1 ha predicted 27 kDa, an extra 50-55 kDa It's notable that mouse HSP27 is also Author Pub Yini Dang 362 Folnetti A Alvarez 361	al challenges or/and de horigenesis and cell su as been found to be a v representing dimeric named HSP25 and has med ID Journa 97287 Pharm 14323 Breast 92751 J Biol	evelopmental tr rvival and is rep aluable marker form of HSPB1 n s the predicted N al naceuticals (Bas	ansitions. It is also an anti-apoptotic borted to be an independent prognosis for melanoma. In addition to the nay also be observed (PMID: 2135316 IW between 19-23 kDa. Application el) WB at WB						
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For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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Selected Validation Data



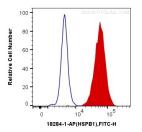
Various lysates were subjected to SDS PAGE followed by western blot with 18284-1-AP (HSP27 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



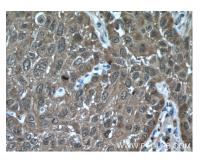
Various lysates were subjected to SDS PAGE followed by western blot with 18284-1-AP (HSP27 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



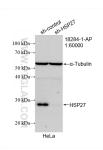
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18284-1-AP (HSP27 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



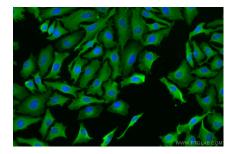
1X10^6 MCF-7 cells were intracellularly stained with 0.5 ug Anti-Human HSP27 (18284-1-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18284-1-AP (HSP27 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of HSP27 antibody (18284-1-AP; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSP27 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSP27 antibody (18284-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).