For Research Use Only

## HSP70 Recombinant antibody

Catalog Number:80735-1-RR 1 Publications

Antibodies | ELISA kits | Proteins Uni-rAb www.ptglab.com

Basic Information	Catalog Number: 80735-1-RR	GenBank Accession Number: BC009322	Purification Method: Protein A purification			
	Size:	GenelD (NCBI):	CloneNo.:			
	100ul , Concentration: 500 ug/ml by		4E10			
	Nanodrop; Source: Rabbit Isotype:	UNIPROT ID: PoDMV8 Full Name: heat shock 70kDa protein 1A	Recommended Dilutions: WB: 1:5000-1:20000 IHC: 1:200-1:6000 IF/ICC: 1:200-1:800			
				IgG	Calculated MW:	
				Immunogen Catalog Number: AG1446	70 kDa	
					Observed MW: 70 kDa	
	Applications	Tested Applications:	Positive Controls:			
				EK-293 cells, HeLa cells, K-562 cells, NIH/3T3 C6 cells, the whole yeast		
		WB		an breast cancer tissue, human colon cance		
Species Specificity: tissue, human liver		man liver cancer tissue, human lung s cell carcinoma tissue				
Cited Species: human		IF/ICC : H	eLa cells,			
TE buffer pH 9.0; (*) Alternati		vely, antigen				
	retrieval may be performed w buffer pH 6.0	ith citrate				
Background Information	buffer pH 6.0 HSPA1A, collectively known as HSP 70 (HSP70) proteins which are highly transport, and protein targeting. Enco HSPA1B differ by only two amino aci nuclear protein able to translocate be in unstressed normal cells at low or various stressful stimuli. Significant	70 (also referred to HSP72), is a stre conserved chaperons implicated i ded by two closely linked, intronle ds and are believed to be fully inte etween cytoplasm and nucleus. Ge indetectable levels. Expression of up-regulation of HSPA1A has been	ess-inducible member of heat-shock protein n protein folding, protein refolding, protein ess and stress-inducible genes, HSPA1A and erchangeable proteins. HSPA1A is a cytosol nerally, HSPA1A is thought to be expressed HSPA1A protein can be highly activated by found in various tumors. Recently it has cell types. HSP70 is also used as exosomal			
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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<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80735-1-RR (HSP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 80735-1-RR (HSP70 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HSP70 antibody (80735-1-RR, Clone: 4E10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 80735-1-RR (HSP70 antibody) at dilution of 1:6000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human lung squamous cell carcinoma tissue slide using 80735-1-RR (HSP70 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).