For Research Use Only

HSP70 Monoclonal antibody

Catalog Number:66183-1-lg 31 Publications



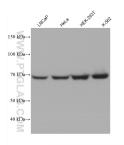
Basic Information	Catalog Number: 66183-1-lg	GenBank Accession Number: BC009322	Purification Method: Protein A purification
	Concentration: 1000 ug/ml	GeneID (NCBI): 3303	CloneNo.: 4E7E5
	Source: Mouse	PoDMV8 Full Name:	Recommended Dilutions: WB 1:20000-1:100000
	lsotype: lgG1		IHC 1:50-1:500 IF/ICC 1:400-1:1600
	Immunogen Catalog Number: AG19111	Calculated MW: 70 kDa	
		Observed MW: 65-70 kDa	
Applications	Tested Applications: WB IHC IF/ICC FC (Intra) FUSA	Tested Applications:Positive Controls:WB, IHC, IF/ICC, FC (Intra), ELISAWB : LNCaP cells, HEK-293 cells, HeLa cells, Recombinant protein, whole yeast, HEK-293T cells, K- S62 cellsWB, IHC, IF, CoIP, ELISA562 cells	
	Cited Applications:		
	Species Specificity: human, mouse, rat, yeast	IHC :	human breast cancer tissue, human pancreas er tissue
	Cited Species: human, mouse, rat	IF/IC	C : HeLa cells,
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		
Background Informatic	70 (HSP70) proteins which are hig transport, and protein targeting. E HSPA1B differ by only two amino nuclear protein able to translocat in unstressed normal cells at low various stressful stimuli. Significa been reported that HSPA1A can be	hly conserved chaperons implica ncoded by two closely linked, intr acids and are believed to be fully e between cytoplasm and nucleus or undetectable levels. Expressio ant up-regulation of HSPA1A has le e constitutively expressed in sele	ted in protein folding, protein refolding, protein ronless and stress-inducible genes, HSPA1A and r interchangeable proteins. HSPA1A is a cytosol Generally, HSPA1A is thought to be expressed n of HSPA1A protein can be highly activated by been found in various tumors. Recently it has
	70 (HSP70) proteins which are hig transport, and protein targeting. E HSPA1B differ by only two amino nuclear protein able to translocat in unstressed normal cells at low various stressful stimuli. Signific been reported that HSPA1A can be marker. This antibody well recogn	thly conserved chaperons implica ncoded by two closely linked, intr acids and are believed to be fully e between cytoplasm and nucleus or undetectable levels. Expressio ant up-regulation of HSPA1A has t e constitutively expressed in sele nized the endogenous HSP70 prote	cted cell types. HSP70 is also used as exosomal ein in multiple cell lines. (21373891)
	70 (HSP70) proteins which are hig transport, and protein targeting. E HSPA1B differ by only two amino nuclear protein able to translocat in unstressed normal cells at low various stressful stimuli. Significa been reported that HSPA1A can be marker. This antibody well recogn	hly conserved chaperons implica ncoded by two closely linked, intr acids and are believed to be fully e between cytoplasm and nucleus or undetectable levels. Expressio ant up-regulation of HSPA1A has le e constitutively expressed in sele	ted in protein folding, protein refolding, protein ronless and stress-inducible genes, HSPA1A and r interchangeable proteins. HSPA1A is a cytosol s. Generally, HSPA1A is thought to be expressed n of HSPA1A protein can be highly activated by been found in various tumors. Recently it has cted cell types. HSP70 is also used as exosomal ein in multiple cell lines. (21373891) Application
	70 (HSP70) proteins which are hig transport, and protein targeting. E HSPA1B differ by only two amino nuclear protein able to translocat in unstressed normal cells at low various stressful stimuli. Significa been reported that HSPA1A can be marker. This antibody well recogn Author Xuan Wang	hly conserved chaperons implica ncoded by two closely linked, intr acids and are believed to be fully e between cytoplasm and nucleus or undetectable levels. Expressio ant up-regulation of HSPA1A has t e constitutively expressed in sele nized the endogenous HSP70 prote Pubmed ID Journal	ted in protein folding, protein refolding, protein ronless and stress-inducible genes, HSPA1A and interchangeable proteins. HSPA1A is a cytosol 6. Generally, HSPA1A is thought to be expressed n of HSPA1A protein can be highly activated by been found in various tumors. Recently it has cted cell types. HSP70 is also used as exosomal ein in multiple cell lines. (21373891) Application M WB
Background Informatio	 70 (HSP70) proteins which are hig transport, and protein targeting. E HSPA1B differ by only two amino nuclear protein able to translocate in unstressed normal cells at low various stressful stimuli. Significa been reported that HSPA1A can be marker. This antibody well recogn Author Xuan Wang Yunfei Chen 	hly conserved chaperons implica ncoded by two closely linked, intr acids and are believed to be fully e between cytoplasm and nucleus or undetectable levels. Expressio ant up-regulation of HSPA1A has be constitutively expressed in sele nized the endogenous HSP70 protection Pubmed ID Journal 36167857 Nat Commun	ted in protein folding, protein refolding, protein ronless and stress-inducible genes, HSPA1A and interchangeable proteins. HSPA1A is a cytosol s. Generally, HSPA1A is thought to be expressed n of HSPA1A protein can be highly activated by been found in various tumors. Recently it has cted cell types. HSP70 is also used as exosomal ein in multiple cell lines. (21373891) Application M WB

 For technical support and original validation data for this product please contact:

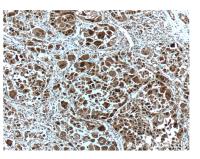
 T: 4006900926
 E: Proteintech-CN@ptglab.com
 W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

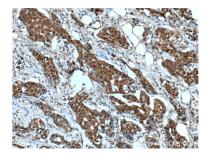
Selected Validation Data



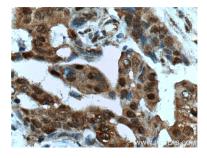
Various lysates were subjected to SDS PAGE followed by western blot with 66183-1-1g (HSP70 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



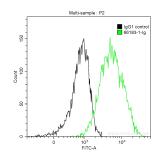
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66183-1-Ig (HSP70 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



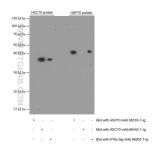
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66183-1-Ig (HSP70 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



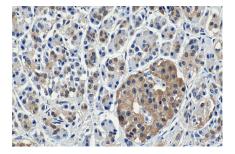
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 66183-1-1g (HSP70 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



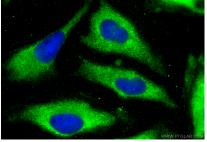
1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human HSP70 (66183-1-lg, Clone:4E7E5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-lg, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



6*His tagged-recombinant HSP70 (291-641 aa) and HSC70 (346-646 aa) proteins were subjected to SDS PAGE followed by western blot with 66183-1-1g (HSP70 antibody), 66442-1-1g (HSC70 antibody), and 66005-1-1g (His antibody), respectively, at dilution of 1:50000, incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 66183-1-1g (HSP70 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using HSP70 antibody (66183-1-lg, Clone: 4E7E5) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).