

For Research Use Only

HSP60 Monoclonal antibody, PBS Only



Catalog Number: 66041-1-PBS

Basic Information

Catalog Number: 66041-1-PBS	GenBank Accession Number: BC003030	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3329	CloneNo.: 2F10E7
Source: Mouse	UNIPROT ID: P10809	
Isotype: IgG1	Full Name: heat shock 60kDa protein 1 (chaperonin)	
Immunogen Catalog Number: AG7848	Calculated MW: 61 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, IP, IF, FC, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

HSPD1, also known as HSP60, belongs to the chaperonin family and acts as a chaperone to enhance cell survival under physiological stresses. Hsp60 has been shown to be connected with many aspects of cell functions such as protein folding and assembling of polypeptide chains in mitochondria. Recently it has been reported that HSP60 is associated with apoptosis or inhibition of cancer cell growth. (21822415)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

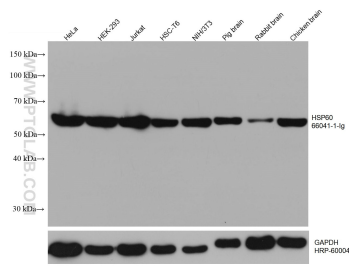
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

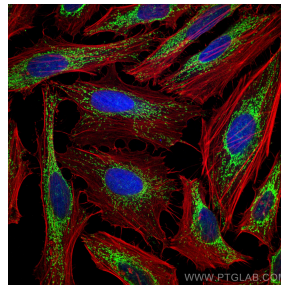
E: proteintech@ptglab.com
W: ptglab.com

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

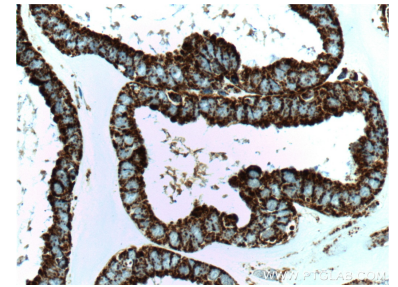
Selected Validation Data



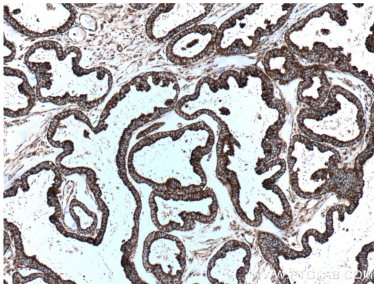
Various lysates were subjected to SDS PAGE followed by western blot with 66041-1-Ig (HSP60 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.



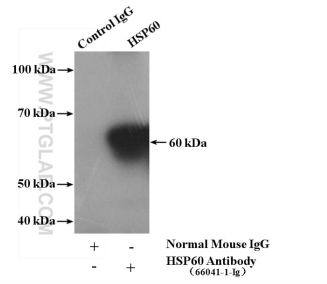
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSP60 antibody (66041-1-Ig, Clone: 2F10E7) at dilution of 1:100 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), (CL594-Phalloidin, red). This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.



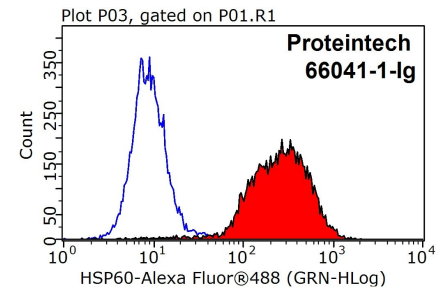
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66041-1-Ig (HSP60 antibody at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66041-1-Ig (HSP60 antibody at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.



IP result of anti-HSP60 (IP:66041-1-Ig, 5ug; Detection:66041-1-Ig 1:2000) with mouse liver tissue lysate 4000ug. This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were stained with 0.2ug HSP60 antibody (66041-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. This data was developed using the same antibody clone with 66041-1-PBS in a different storage buffer formulation.