

For Research Use Only

HSP60 Recombinant monoclonal antibody

Catalog Number: 86275-1-RR

Featured Product



Basic Information

Catalog Number:	86275-1-RR	GenBank Accession Number:	BC003030	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	3329	CloneNo.:	250248D1
Isotype:	IgG	UNIPROT ID:	P10809	Recommended Dilutions:	WB: 1:2000-1:10000 IF/ICC: 1:400-1:1600
Immunogen Catalog Number:	AG7401	Full Name:	heat shock 60kDa protein 1 (chaperonin)		
		Calculated MW:	61 kDa		
		Observed MW:	60 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	WB: HeLa cells, HEK-293 cells, Jurkat cells, MCF-7 cells
Species Specificity:	human	IF/ICC:	HeLa cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

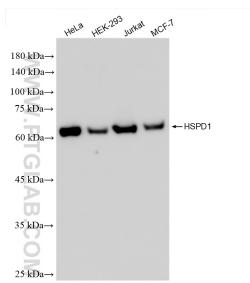
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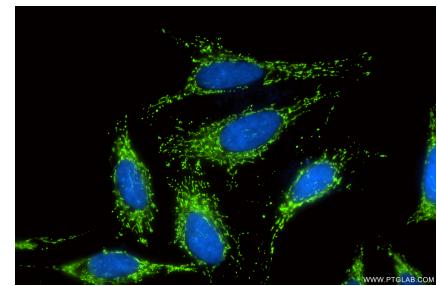
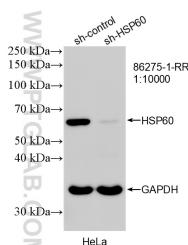
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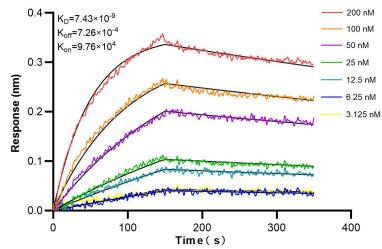
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86275-1-RR (HSP60 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using HSP60 antibody (86275-1-RR, Clone: 250248D1) at dilution of 1:800 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 86275-1-RR against Human HSPD1 were performed. The affinity constant is 7.43 nM.