

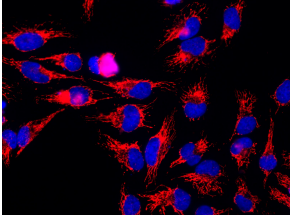
## Anti-HSP60 Antibody [1C7] (A85439)

### Specifications:

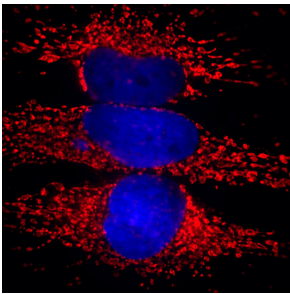
Name:	Anti-HSP60 Antibody [1C7]
Description:	Mouse monoclonal (1C7) antibody to HSP60.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:10,000, ICC/IF: 1:5,000, IHC: 1:5,000
Reactivity:	Human, Rat, Mouse
Immunogen:	Spontaneous autoantibody which binds LNERLAKLSDGVAVLKVGGT, amino acids 390-409 of the human sequence.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	1C7
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	60 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody was discovered during screens for antibodies produced by hybridomas from a mouse injected with an unrelated protein. We noted beautiful staining of mitochondria and clean staining of a single band of 60 kDa on western blots, suggesting HSP60 as an obvious candidate. We made recombinant full-length human HSP60 which this antibody bound to strongly and specifically. The mouse had likely developed autoantibodies to HSP60 since this molecule appears to be unusually immunogenic, frequently generating autoantibodies in humans and other species.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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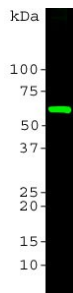
### Images:



Western blot analysis of tissue or whole cell lysates using Anti-Heat Shock Protein 60 Antibody (1:10,000 | green): [1] protein standard (red), [2] rat brain, [3] mouse brain, [4] NIH/3T3, [5] Hek 293, [6] HeLa, [7] SH-SY5Y cells. Strong single band corresponds to HSP60 protein with apparent SDS-PAGE molecular weight of 60 kDa.



Immunofluorescent analysis of HeLa cells stained with Anti-Heat Shock Protein 60 Antibody [1C7] (A85439), at a dilution of 1:5,000, in red. Blue is DAPI staining of nuclear DNA. Anti-Heat Shock Protein 60 Antibody [1C7] (A85439) produces strong and specific staining of mitochondria.



Western blot analysis of Anti-Heat Shock Protein 60 Antibody. Blot of HeLa cells lysates was probed with Anti-Heat Shock Protein 60 Antibody. This antibody recognizes HSP60 at 60 kDa.