

Product Name: Hsp70 1A (1D9) Mouse Monoclonal Antibody
Catalog #: AMM03595

Summary

Production Name	Hsp70 1A (1D9) Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	HSPA1A
Alternative Names	HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A.
Gene ID	3303
SwissProt ID	P0DMV8.

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 70 kDa; Observed MW: 70 kDa

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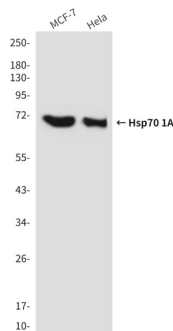
Background

In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

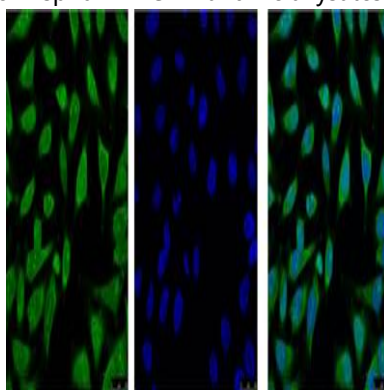
Research Area

Signal Transduction

Image Data

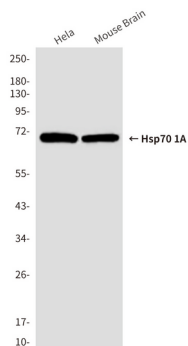


Western blot analysis of Hsp70 in MCF-7 and HeLa lysates using Hsp70 antibody.

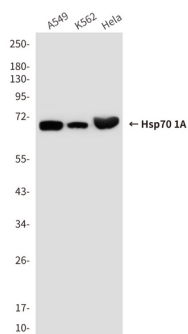


Immunofluorescence analysis of Hsp70 1A (1D9) in HeLa using Hsp70 1A (1D9) antibody(left) ,and DAPI (blue).

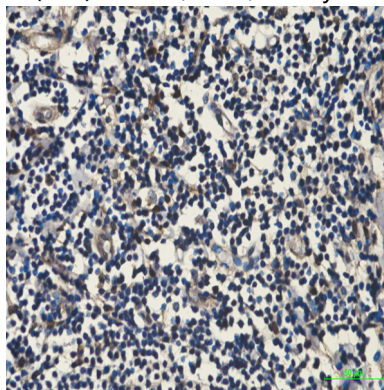
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Western blot analysis of Hsp70 1A (1D9) in HeLa, mouse Brain lysates using Hsp70 1A (1D9) antibody.



Western blot analysis of Hsp70 1A (1D9) in A549, K562, HeLa lysates using Hsp70 1A (1D9) antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using HSP70 (1D9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.