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**Product Name: Hsp70 1A (2D4) Mouse Monoclonal Antibody****Catalog #: AMM03432**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

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

**Antigen Information**

<b>Gene Name</b>	HSPA1A
<b>Alternative Names</b>	HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A.
<b>Gene ID</b>	3303
<b>SwissProt ID</b>	P0DMV8
<b>Immunogen</b>	Recombinant protein of human Hsp70

**Background**

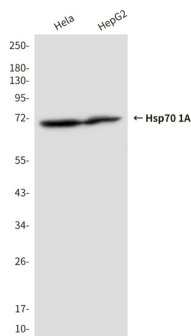
In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway

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.

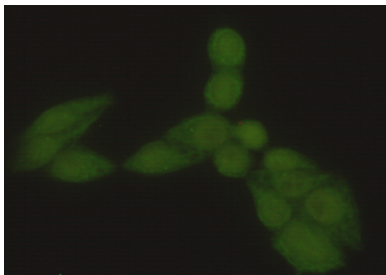
## Research Area

Signal Transduction

## Image Data



Western blot analysis of Hsp70(Nterminus) in HeLa and HepG2 lysates using Hsp70(Nterminus) antibody.



Immunocytochemistry analysis of Hsp70 1A (2D4) in HeLa using Hsp70 (Nterminus) antibody.