

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



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## Summary

<b>Production Name</b>	Hsp70 1A (2D4) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human

## Performance

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

## Immunogen

<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>	PODMV8

## Application

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

## Background

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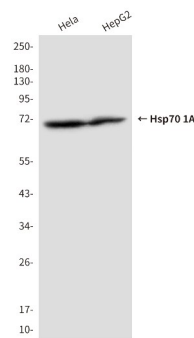


In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding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

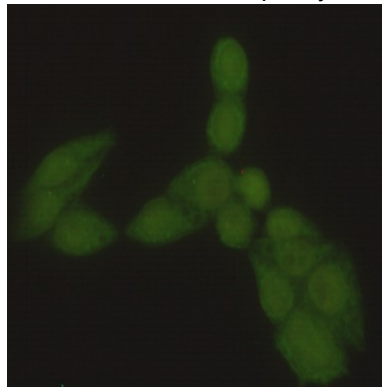
## Research Area

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.

## Note

For research use only.