

# HSP70 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1343a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">P34932</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	5A6
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	94331
<b>Description</b>	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. 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.
<b>Immunogen</b>	Purified recombinant fragment of human HSP70 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	3308
<b>Other Names</b>	Heat shock 70 kDa protein 4, HSP70RY, Heat shock 70-related protein APG-2, HSPA4, APG2
<b>Dilution</b>	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HSP70 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HSPA4
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**Synonyms**

APG2, HSPH2 {ECO:0000303 | PubMed:18663603}

**Cellular Location**

Cytoplasm.

**References**

1. J Hepatol. 2009 Apr;50(4):746-54. 2. Int J Gynecol Pathol. 2009 May;28(3):211-21.

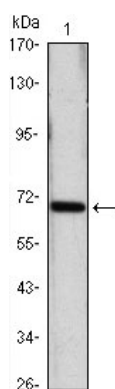
**Images**

Figure 1: Western blot analysis using HSP70 mouse mAb against Hela (1) cell lysate.

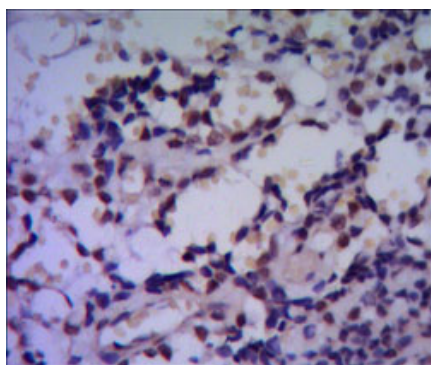


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast cancer using HSP70 mouse mAb with DAB staining.

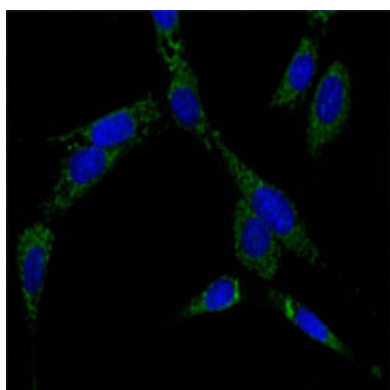


Figure 3: Immunofluorescence analysis of NIH/3T3 cells using HSP70 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.