



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to HSP70

**Catalog Number:** MAB-606020421

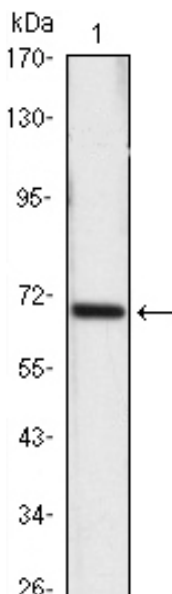


Figure 1: Western blot analysis using HSP70 mouse mAb against Hela (1) cell lysate.

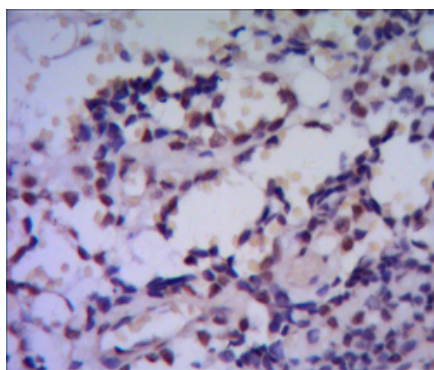


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast cancer using HSP70 mouse mAb with DAB staining.

Lot#:  
Clone#: 5A6  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 70kDa  
Aliases: RY; APG-2; hsp70;  
hsp70RY; HS24/P52;  
MGC131852; HSPA4  
Entrez Gene: 3308  
Species reactivity: Human

**Description** 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.

**Immunogen** Purified recombinant fragment of human HSP70 expressed in E. Coli.

**Application** Western Blotting: 1/500 - 1/2000.  
Immunohistochemistry: 1/200 - 1/1000.  
Immunofluorescence: 1/200 - 1/1000.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4iæ, for long term storage, store at -20iæ.

**Related product**

**References**

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

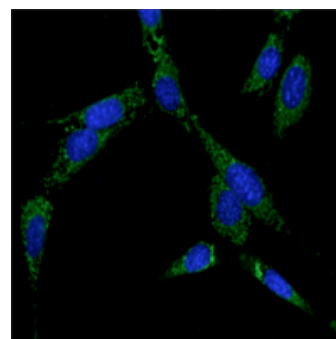


Figure 3: Immunofluorescence analysis of NIH/3T3 cells using HSP70 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

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