

Mouse Monoclonal Antibody to HSP70

Order Information

Catalog#	20421	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

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.

Specification

Aliases	: RY; APG-2; hsp70; hsp70RY; HS24/P52; MGC131852; HSPA4
Entrez GeneID	: 3308
Swissprot	: P34932
clone	: 5A6
WB Predicted band size	: 70kDa
Host/Isotype	: Mouse IgG1
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human HSP70 expressed in E. Coli.
Formulation	: Purified antibody in PBS with 0.05% sodium azide

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
ICC	1/200 - 1/1000
ELISA	1/10000

References

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

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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

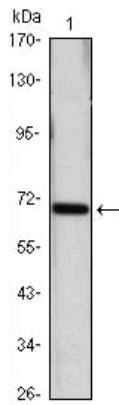
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

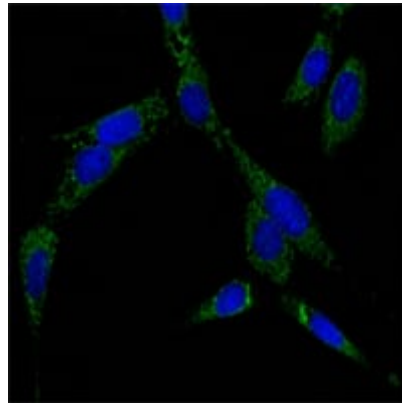
Application Key: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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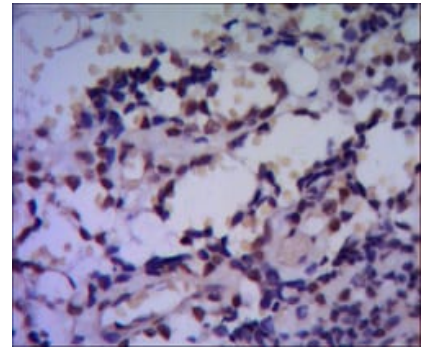
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Western blot analysis using HSP70 mouse mAb against HeLa (1) cell lysate.



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



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

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