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HSPA1A Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1877b

Specification

HSPA1A Antibody - Product Information

Application	**IF, WB,E**
Primary Accession	P08107
Other Accession	Q6S4N2, Q27965, P34930, Q27975, NP_005336.3, P0DMV8, P0DMV9
Reactivity	**Human**
Predicted	**Bovine, Pig**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,K**
Antigen Region	**574-600**

HSPA1A Antibody - Additional Information

Other Names
Heat shock 70 kDa protein 1A/1B, Heat shock 70 kDa protein 1/2, HSP70-1/HSP70-2, HSP701/HSP702, HSPA1A, HSPA1, HSX70

Target/Specificity
This HSPA1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 574-600 amino acids from human HSPA1A.

Dilution
IF~~1:10~50
WB~~1:100~2000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HSPA1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HSPA1A Antibody - Protein Information

HSPA1A Antibody - Protocols

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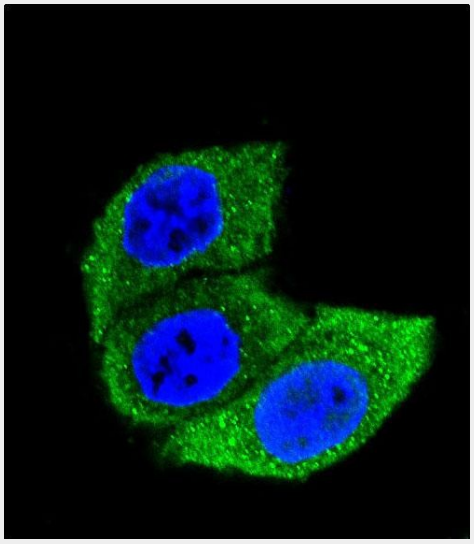
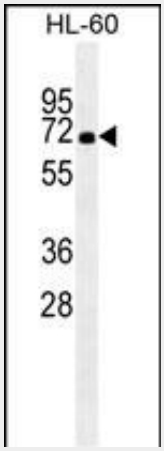
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HSPA1A Antibody - Images



Confocal immunofluorescent analysis of HSPA1A Antibody (Cat#AM1877b) with Hela cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



HSPA1A antibody (Cat. #AM1877b) western blot analysis in HL-60 cell line lysates (35µg/lane).This demonstrates the HSPA1A antibody detected the HSPA1A protein (arrow).

HSPA1A Antibody - Background

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjuction 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.

HSPA1A Antibody - References

Wang, Y., et al. Clin. Chem. Lab. Med. 48(11):1657-1663(2010)
Eisenberg, D.P., et al. Surgery 148(2):325-334(2010)
Rusai, K., et al. Transplant. Proc. 42(6):2309-2311(2010)
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Lanneau, D., et al. ScientificWorldJournal 10, 1543-1552 (2010) :