

**HSPA1A Antibody**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1877b****Specification**

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**HSPA1A Antibody - Product Information**

Application	<b>IF, WB,E</b>
Primary Accession	<a href="#">P08107</a>
Other Accession	<a href="#">Q6S4N2</a> , <a href="#">Q27965</a> , <a href="#">P34930</a> , <a href="#">Q27975</a> , <a href="#">NP_005336.3</a> , <a href="#">P0DMV8</a> , <a href="#">P0DMV9</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Pig</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1,K</b>
Antigen Region	<b>574-600</b>

**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**

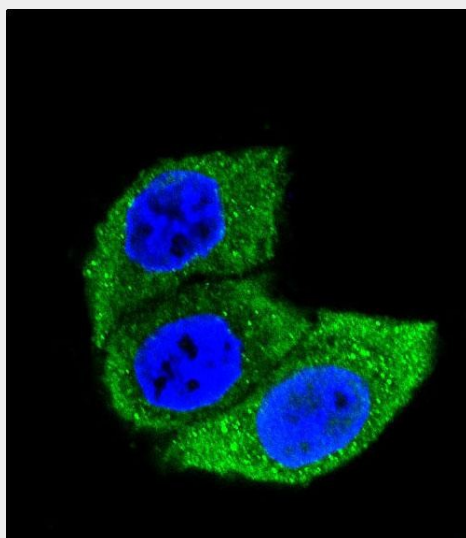
HSPA1A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HSPA1A Antibody - Protein Information****HSPA1A Antibody - Protocols**

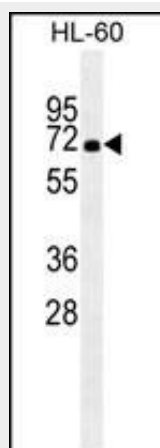
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### HSPA1A Antibody - Images



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



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

#### HSPA1A Antibody - Background

This intronless gene encodes a 70 kDa 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.

### **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)  
Ebrahimi, M., et al. Mol. Vis. 16, 1680-1688 (2010) :  
Lanneau, D., et al. ScientificWorldJournal 10, 1543-1552 (2010) :