

Product Name: HSPA1A Mouse Monoclonal Antibody**Catalog #: AMM85915**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:200-1:2000, ICC 1:20-1:50
Molecular Weight	72kDa

Antigen Information

Gene Name	HSPA1A
Alternative Names	Heat shock 70 kDa protein 1A/1B, Heat shock 70 kDa protein 1/2, HSP70-1/HSP70-2, HSP701/HSP702, HSPA1A, HSPA1, HSX70
Gene ID	
SwissProt ID	P08107
Immunogen	This HSPA1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 574-600 amino acids from human HSPA1A.

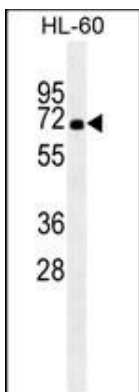
Background

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

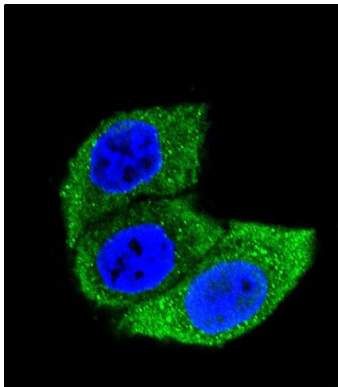
with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 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.

Research Area

Image Data



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



Confocal immunofluorescent analysis of HSPA1A Antibody (Cat#AMM85915) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).