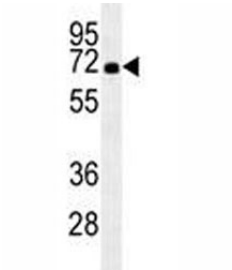
HSPA1A Antibody [clone 201CT8.2.3] (F40246)

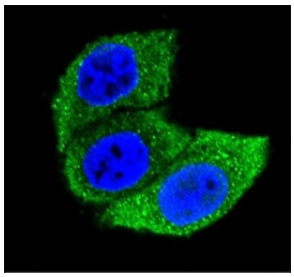
Catalog No.	Formulation	Size
F40246-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40246-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Pig
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, k
Clone Name	201CT8.2.3
Purity	Purified
UniProt	P0DMV8
Applications	Western blot: 1:100-1:2000 Immunofluorescence: 1:10-1:50
Limitations	This HSPA1A antibody is available for research use only.



HSPA1A antibody western blot analysis in HL-60 lysate.



Confocal immunofluorescent analysis of HSPA1A antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-mouse lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

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.

For an additional monoclonal antibody to HSPA1A with Western blot and immunohistochemistry validation, see our HSPA1A Antibody / Heat Shock Protein 70 1A Antibody page.

Application Notes

Titration of the HSPA1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 574-600 from the human protein was used as the immunogen for this HSPA1A antibody.

Storage

Aliquot the HSPA1A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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