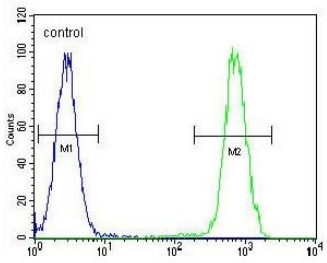
HSC70 Antibody / HSPA8 (F54784)

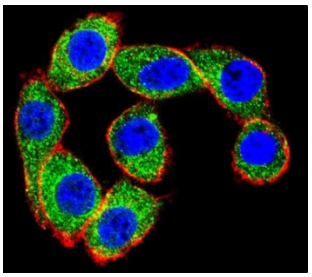
Catalog No.	Formulation	Size
F54784-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54784-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

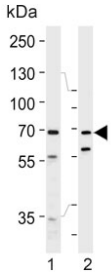
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P11142
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1:500-1:1000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25
Limitations	This HSC70 antibody is available for research use only.



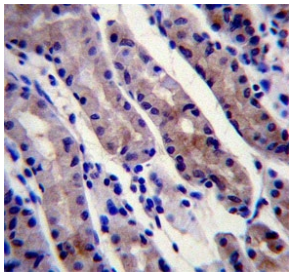
Flow cytometry testing of human HeLa cells with HSC70 antibody; Blue=isotype control, Green= HSC70 antibody.



Immunofluorescent staining of human HeLa cells with HSC70 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Western blot testing of 1) rat H-4-II-E and 2) mouse NIH 3T3 cell lysate with HSPA8 antibody. Expected molecular weight: 70-73 kDa.



IHC testing of FFPE human stomach tissue with HSC70 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

HSPA8 / HSC70 belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. HSPA8 is a heat-shock cognate protein. This protein binds to nascent polypeptides to facilitate correct folding. The protein also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell.

Application Notes

The stated application concentrations are suggested starting points. Titration of the HSC70 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 539-569 from the human protein was used as the immunogen for the HSC70 antibody.

Storage

Aliquot the HSC70 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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