

DATASHEET

HSPA4 Mouse Monoclonal Antibody(C2752)

CAT. NO. AMA02364

KEY FEATURES

Target	HSPA4	Source / Host	Mouse
Reactivity	Human, Monkey	Clonality	Monoclonal
Applications	WB, IHC, IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Heat shock 70 kDa protein 4 (HSPA4), also known as HSP70RY, Heat shock 70-related protein APG-2, Heat shock protein family H member 2. Belongs to the heat shock protein 70 family Subunit: Interacts with TJP1/ZO-1 Subcellular location: Cytoplasm

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
IF/ICC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to HSPA4
Specificity	Recognizes endogenous levels of HSPA4 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human HSPA4 expressed in HEK293
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 94 kD; Observed: 100 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	APG2; Heat shock 70 kDa protein 4; HSP70RY; Heat shock 70-related protein APG-2
Gene Symbol	HSPA4
Entrez Gene	3308(Human)
SwissProt	P34932(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

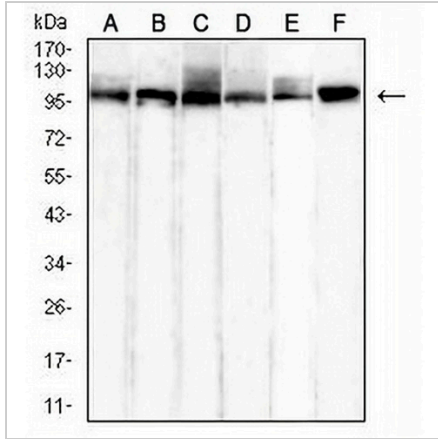
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

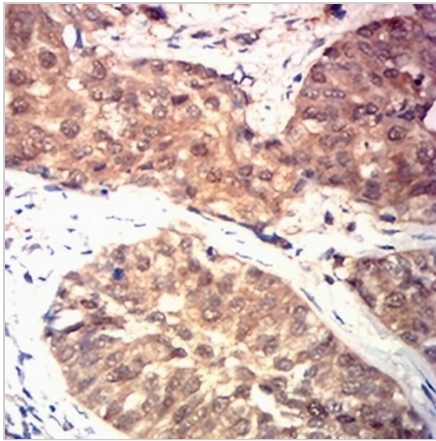
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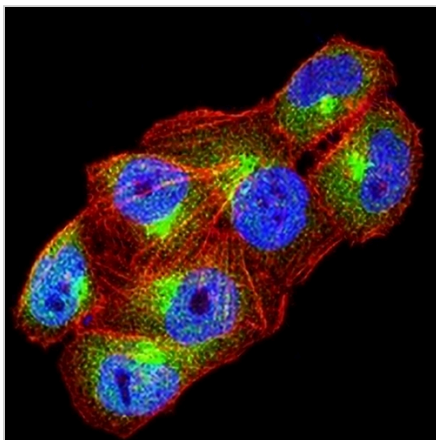
DATA



Western blot analysis of HSPA4 expression in Hela (A), HepG2 (B), HEK293 (C), COS7 (D), A549 (E), Jurkat (F) whole cell lysates. (Predicted band size: 94 kD; Observed band size: 100 kD)



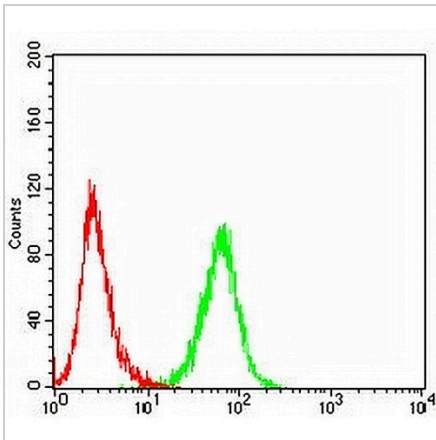
Immunohistochemical analysis of HSPA4 staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HSPA4 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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DATA (CONTINUED)

Flow cytometric analysis of Jurkat cells using Anti-HSPA4 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.