

## DATASHEET

# HSPA4 Mouse Monoclonal Antibody(C2751)

CAT. NO. AMA02363

### KEY FEATURES

Target	HSPA4	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. 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
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 kD
Form/Buffer	Mouse IgG2b. 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); 266759(Rat)
SwissProt	P34932(Human); Q61316(Mouse); O88600(Rat)

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

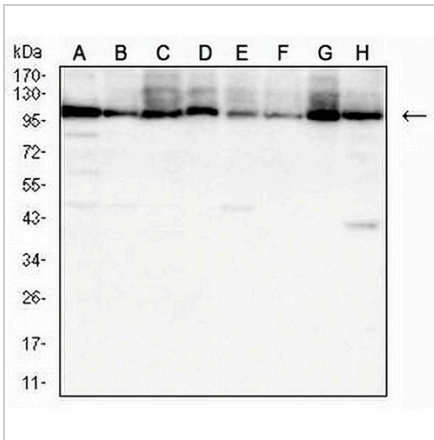
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

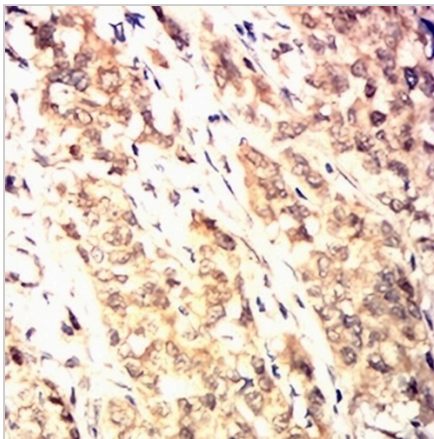
**HSPA4 Mouse Monoclonal Antibody(C2751)**

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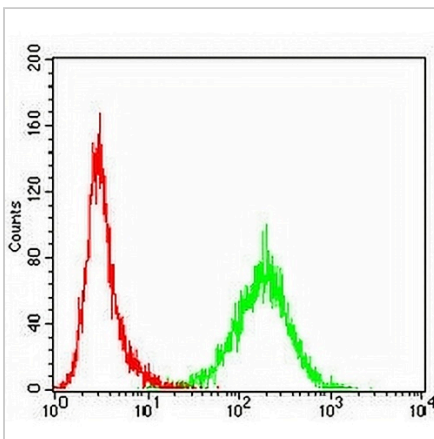
**DATA**



Western blot analysis of HSPA4 expression in HeLa (A), HepG2 (B), HEK293 (C), PC12 (D), A549 (E), Jurkat (F), COS7 (G), NIH/3T3 (H) 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.



Flow cytometric analysis of HeLa 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.