

## HSPA9 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2062
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human HSPA9 (AA: 480-679) expressed in mammalian.
<b>Mol wt</b>	74KDa
<b>Species reactivity</b>	Human,Mouse,Monkey,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC,ICC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	CSA;MOT;MOT2;SAAN;CRP40;EVPLS;GRP75;PBP74;GRP-75;HSPA9B;SIDBA4;MTHSP75;HEL-S-124m

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.

### Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

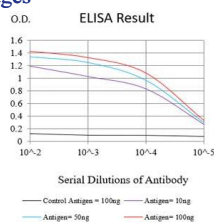
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

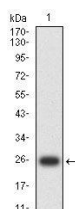
ELISA: 1:10000

Not yet tested in other applications.

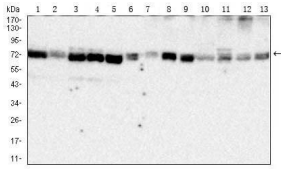
### Images



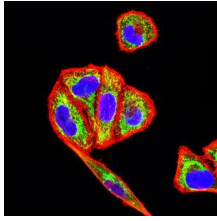
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



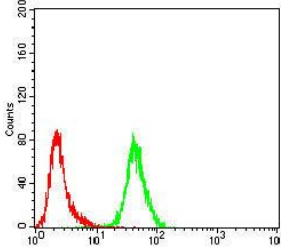
Western blot analysis using HSPA9 mAb against human HSPA9 (AA: 480-679) recombinant protein. (Expected MW is 25.2 kDa)



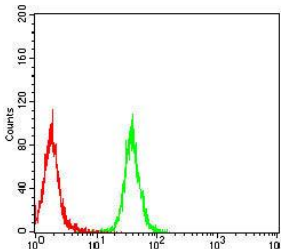
Western blot analysis using HSPA9 mouse mAb against Jurkat (1), HepG2 (2), A431 (3), HeLa (4), K562 (5), MCF-7 (6), C2C12 (7), A549 (8), PANC-1 (9), PC-12 (10), C6 (11), COS-7 (12) and NIH3T3 (13) cell lysate.



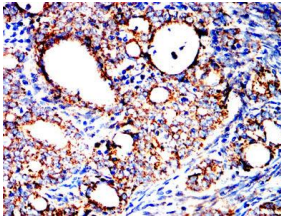
Immunofluorescence analysis of HeLa cells using HSPA9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



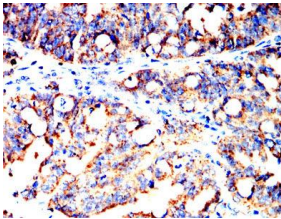
Flow cytometric analysis of Jurkat cells using HSPA9 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using HSPA9 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded cervical carcinoma tissues using HSPA9 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectal cancer tissues using HSPA9 mouse mAb with DAB staining.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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