
Product Name: HSPA9 Mouse Monoclonal Antibody**Catalog #: AMM82848**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ICC,ELISA,FC |
| Reactivity | Human, Mouse, Monkey, Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG2a |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 74KDa |

Antigen Information

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|--------------------------|--|
| Gene Name | HSPA9 |
| Alternative Names | CSA; MOT; MOT2; SAAN; CRP40; EVPLS; GRP75; PBP74; GRP-75; HSPA9B; SIDBA4; MTHSP75; HEL-S-124m |
| Gene ID | 3313.0 |
| SwissProt ID | P38646 |
| Immunogen | Purified recombinant fragment of human HSPA9 (AA: 480-679) expressed in mammalian. |

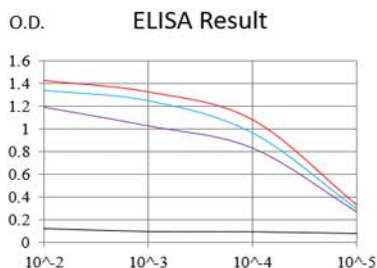
Background

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

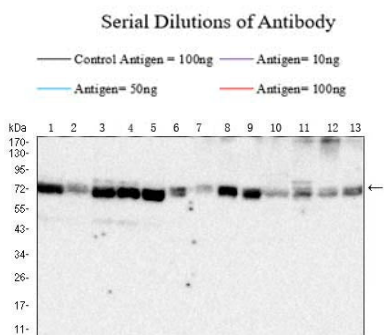
heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.

Research Area

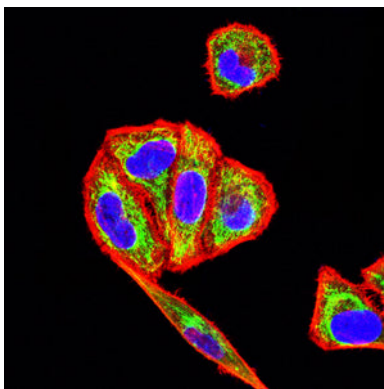
Image Data



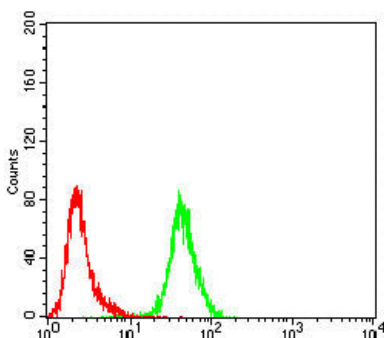
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



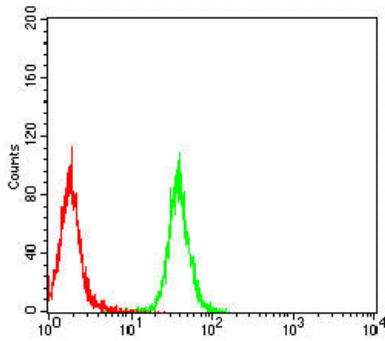
Western blot analysis using HSPA9 mouse mAb against Jurkat (1), HepG2 (2), A431 (3), Hela (4), K562 (5), MCF-7 (6), C2C12 (7), A549 (8), PANC-1 (9), PC-12 (10), C6 (11), COS-7 (12)and NIH3T3 (13) cell lysate.



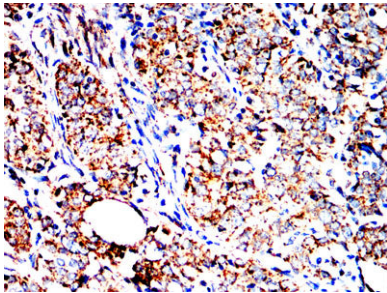
Immunofluorescence analysis of Hela cells using HSPA9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



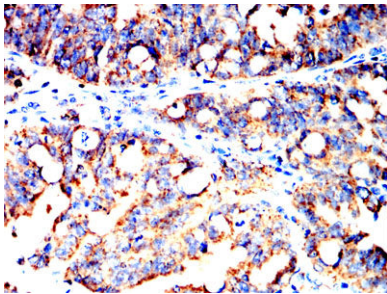
Flow cytometric analysis of Jurkat cells using HSPA9 mouse mAb (green) and negative control (red).



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



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



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