

Grp75/MOT/HSPA9 Rabbit pAb

Catalog No.: A0558

4 Publications

Basic Information

Observed MW

80kDa

Calculated MW

74kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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 Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

3313

Swiss Prot

P38646

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 380-679 of human Grp75/MOT/Grp75/MOT/HSPA9 (NP_004125.3).

Synonyms

CSA; MOT; MOT2; SAAN; CRP40; EVPLS; GRP75; PBP74; GRP-75; HSPA9B; SIDBA4; MTHSP75; HEL-S-124m; Grp75/MOT/HSPA9

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

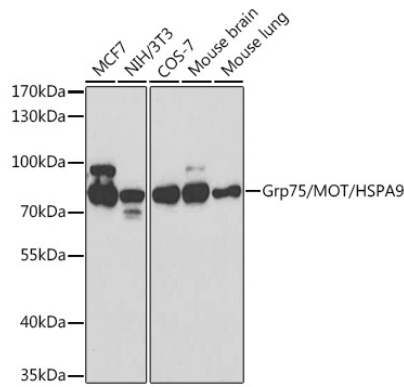
Affinity purification

Storage

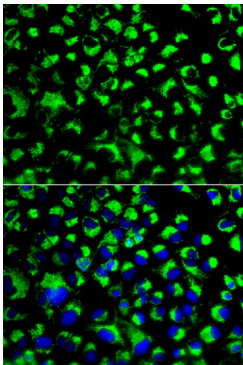
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

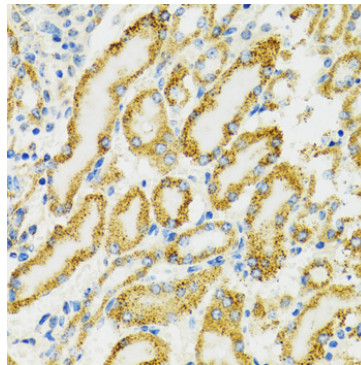
Validation Data



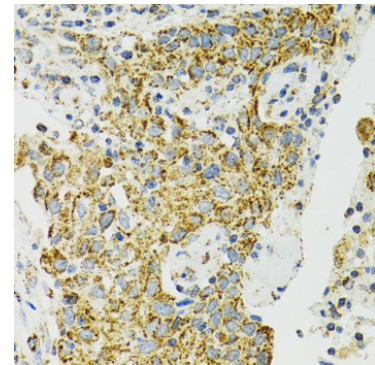
Western blot analysis of various lysates using Grp75/MOT/HSPA9 Rabbit pAb (A0558) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



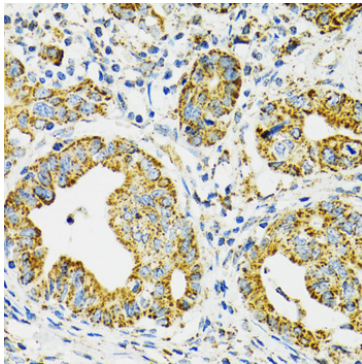
Immunofluorescence analysis of U2OS cells using Grp75/MOT/HSPA9 Rabbit pAb (A0558). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



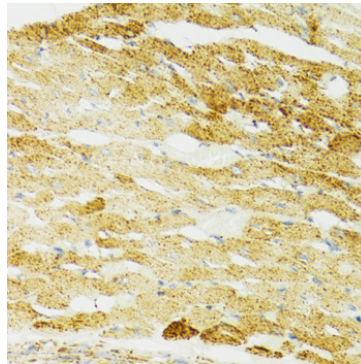
Immunohistochemistry analysis of paraffin-embedded rat kidney using Grp75/MOT/HSPA9 Rabbit pAb (A0558) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using Grp75/MOT/HSPA9 Rabbit pAb (A0558) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human gastric cancer using Grp75/MOT/HSPA9 Rabbit pAb (A0558) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse heart using Grp75/MOT/HSPA9 Rabbit pAb (A0558) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.