

Rabbit Grp75 Polyclonal Antibody | anti-HSPA9 antibody

Anti-Grp75 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45170	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Grp75; Polyclonal Antibody; Anti-Grp75 antibody; Stress-70 protein; mitochondrial; heat shock 70kDa protein 9(mortalin); 75 kDa glucose regulated protein antibody; 75 kDa glucose-regulated protein antibody; CSA antibody; Glucose Regulated Protein antibody; Grp 75 antibody; GRP-75 antibody; GRP75 antibody; GRP75_HUMAN antibody; Heat shock 70 kDa protein 9 antibody; Heat shock 70kD protein 9 antibody; heat shock 70kDa protein 9 antibody; Heat shock 70kDa protein 9B antibody; Heat shock protein 74 kDa A antibody; Heat shock protein A antibody; Heat shock protein cognate 74 antibody; Hsc74 antibody; Hsp74 antibody; Hsp74a antibody; HSPA9 antibody; Hspa9a antibody; HSPA9B antibody; MGC4500 antibody; mitochondrial antibody; Mortalin 2 antibody; Mortalin antibody; Mortalin perinuclear antibody; Mortalin2 antibody; MOT 2 antibody; MOT antibody; MOT2 antibody; Mthsp70 antibody; p66 mortalin antibody; P66 MOT antibody; PBP74 antibody; Peptide binding protein 74 antibody; Peptide-binding protein 74 antibody; Stress 70 protein mitochondrial antibody; Stress 70 protein mitochondrial precursor antibody; Stress-70 protein antibody; anti-HSPA9 antibody

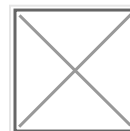
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	679
Applicable Applications for anti-HSPA9 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Grp75 (591-609aa DTETKMEEFKDQLPADECN), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



ICC (Immunocytochemistry)
Anti-Grp75 antibody, AAA45170, ICCICC: A549 Cell



IHC (Immunohistochemistry)
Anti-Grp75 antibody, AAA45170, IHC(P)IHC(P): Rat Liver Tissue



IHC (Immunohistochemistry)

Anti-Grp75 antibody, AAA45170, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti-Grp75 antibody, AAA45170, Western blottingAll lanes: Anti Grp75 (AAA45170) at 0.5ug/mL Lane 1: Rat Liver Tissue Lysate at 50ug/Lane 2: A549 Whole Cell Lysate at 40ug/Lane 3: 293T Whole Cell Lysate at 40ug/Lane 4: M431 Whole Cell Lysate at 40ug/Lane 5: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 74KDObserved bind size: 74KD

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA9 antibody

Description: Rabbit IgG polyclonal antibody for Stress-70 protein, mitochondrial(HSPA9) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

Background: HSPA9(heat shock 70kDa protein 9(mortalin)), also known as GRP75, mot-2, mthsp75, PBP74,HSPA9B, MORTALIN or MORTALIN, PERINUCLEAR, is a highly conserved member of the HSP70 family of proteins. It functions as a chaperone in the mitochondria, cytoplasm, and centrosome. The HSPA9 gene is mapped to chromosome 5q31.2 based on an alignment of the HSPA9 sequence with the genomic sequence. Knockdown of HSPA9 in erythroid cultures was associated with an increased number of cells in the G0/G1 phase of the cell cycle and accelerated apoptosis. Knockdown of Hspa9 in mouse bone marrow cells, followed by transplantation into wildtype recipients, also resulted in loss of erythroid cell number. Haploinsufficiency for HSPA9 may contribute to abnormal hematopoiesis in myelodysplastic syndromes with deletions spanning chromosome 5q31.2. This protein plays a role in the control of cell proliferation. It may also act as a chaperone.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264428
NCBI GeneID	3313
UniProt Accession #	P38646; P30036; P31932; Q1HB43; Q53H23; Q6GU03; Q9BWB7; Q9UC56; B2RCM1
Molecular Weight	73,680 Da
NCBI Official Full Name	Stress-70 protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 70kDa protein 9 (mortalin)
NCBI Official Symbol	HSPA9
NCBI Official Synonym Symbols	CSA; MOT; MOT2; CRP40; GRP75; PBP74; GRP-75; HSPA9B; MTHSP75; HEL-S-124m
NCBI Protein Information	stress-70 protein, mitochondrial; mortalin-2; p66-mortalin; mortalin, perinuclear; heat shock 70kD protein 9B; peptide-binding protein 74; 75 kDa glucose-regulated protein; catecholamine-regulated protein 40; epididymis secretory sperm binding protein Li 124m
UniProt Protein Name	Stress-70 protein, mitochondrial
UniProt Gene Name	HSPA9
UniProt Synonym Gene Names	GRP75; HSPA9B; mt-HSP70; GRP-75; MOT; PBP74
UniProt Entry Name	GRP75_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/grp75-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45170>