

Grp75 Polyclonal Antibody | anti-Grp75 antibody

Anti-Grp75 Antibody

CATALOG # AAA46371	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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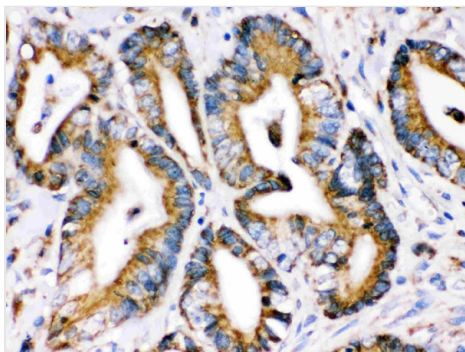
PRODUCT SYNONYMS

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

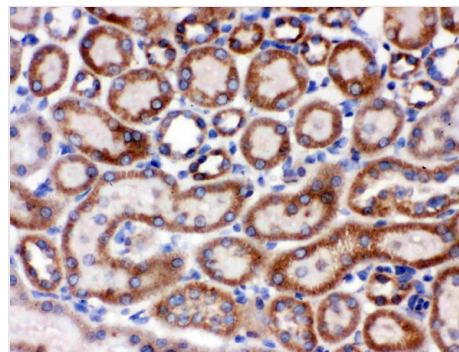
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	679
Applicable Applications for anti-Grp75 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Grp75 (646-679aa KLFEMAYKKMASEREGSGSGTGEQKEDQKEEKQ), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

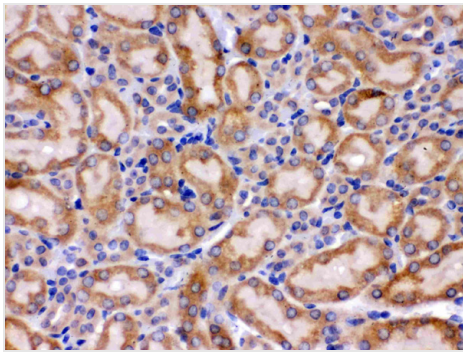
IMAGES


IHC (Immunohistochemistry)

Anti- Grp75 Picoband antibody, AAA46371,IHC(P)IHC(P): Human Intestinal Cancer Tissue

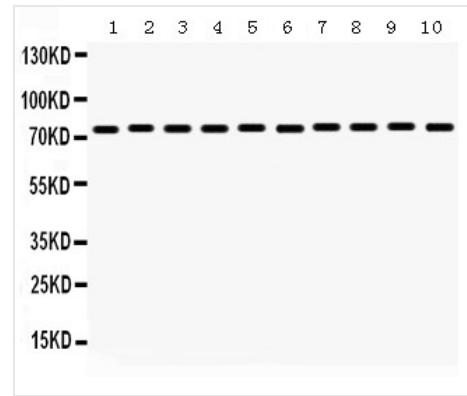

IHC (Immunohistochemistry)

Anti- Grp75 Picoband antibody, AAA46371,IHC(P)IHC(P): Rat Kidney Tissue



IHC (Immunohistochemistry)

Anti- Grp75 Picoband antibody, AAA46371, IHC(P) IHC(P): Mouse Kidney Tissue



WB (Western Blot)

Anti- Grp75 Picoband antibody, AAA46371, Western blotting All lanes: Anti Grp75 (AAA46371) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Thymus Tissue Lysate at 50ug Lane 3: Rat Testis Tissue Lysate at 50ug Lane 4: Mouse Liver Tissue Lysate at 50ug Lane 5: Mouse Thymus Tissue Lysate at 50ug Lane 6: Mouse Testis Tissue Lysate at 50ug Lane 7: HELA Whole Cell Lysate at 40ug Lane 8: MCF-7 Whole Cell Lysate at 40ug Lane 9: SW620 Whole Cell Lysate at 40ug Lane 10: SMMC Whole Cell Lysate at 40ug Predicted bind size: 74KD Observed bind size: 74KD

ADDITIONAL INFORMATION

Related Product Information for anti-Grp75 antibody	Description: Rabbit IgG polyclonal antibody for Stress-70 protein, mitochondrial(HSPA9) detection. Tested with WB, IHC-P 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. This protein plays a role in the control of cell proliferation.
References	1. Chen, T. H.-P., Kambal, A., Krysiak, K., Walshauser, M. A., Raju, G., Tibbitts, J. F., Walter, M. J. Knockdown of Hspa9, a del(5q31.2) gene, results in a decrease in hematopoietic progenitors in mice. Blood 117: 1530-1539, 2011. 2. Gross, M. B. Personal Communication. Baltimore, Md. 9/12/2011. 3. Kaul, S. C., Wadhwa, R., Matsuda, Y., Hensler, P. J., Pereira-Smith, O. M., Komatsu, Y., Mitsui, Y. Mouse and human chromosomal assignments of mortalin, a novel member of the murine hsp70 family of proteins. FEBS Lett. 361: 269-272, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234688
NCBI GeneID	3313
NCBI Accession #	NP_004125.3
NCBI GenBank Nucleotide #	NM_004134.6
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 protein family A (Hsp70) member 9
NCBI Official Symbol	HSPA9
NCBI Official Synonym Symbols	CSA; MOT; MOT2; SAAN; CRP40; EVPLS; GRP75; PBP74; GRP-75; HSPA9B; SIDBA4; MTHSP75; HEL-S-124m
NCBI Protein Information	stress-70 protein, mitochondrial

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/grp75-antibody-immunohistochemistry-western-blot-elisa/46371>