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HSPA9

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF IP RIP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:20 - 1:50 RIP 1:20 - 1:50

Calculated MW:74kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human HSPA9

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bhj

Synonym:

HSPA9;CSA;GRP75;HSPA9B;MGC4500;MOT;MOT2;MTHSP75;PBP74;mot-2

Catalog #:A0558

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:3313

Isotype: IgG

Swiss Prot:P38646

Purity: Affinity purification

For research use only.

Background:

Grp75, also known as mortalin, is a member of Hsp70 family of chaperone proteins that is not heat-inducible (1,2). This protein is essential for transporting many mitochondrial proteins from the cytoplasm to mitochondria (3). Grp75 inactivates the tumor suppressor p53 (4). Studies found that Grp75 is overexpressed in many tumor tissues and immortalized human cell lines, suggesting its role in the tumor formation (5). Grp75 is also implicated in cell aging, as its overexpression appears to prolong the life span of human fibroblasts (6).

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