

Product datasheet for **TA326841**

Grp75 (HSPA9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human HSPA9
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	74 kDa
Gene Name:	heat shock protein family A (Hsp70) member 9
Database Link:	NP_004125 Entrez Gene 15526 MouseEntrez Gene 291671 RatEntrez Gene 3313 Human P38646
Background:	Grp75, also known as mortalin, is a member of Hsp70 family of chaperone proteins that is not heat-inducible. This protein is essential for transporting many mitochondrial proteins from the cytoplasm to mitochondria. Grp75 inactivates the tumor suppressor p53. Studies found that Grp75 is overexpressed in many tumor tissues and immortalized human cell lines, suggesting its role in the tumor formation. Grp75 is also implicated in cell aging, as its overexpression appears to prolong the life span of human fibroblasts.
Synonyms:	CSA; GRP-75; GRP75; HEL-S-124m; HSPA9B; MOT; MOT2; MTHSP75; PBP74

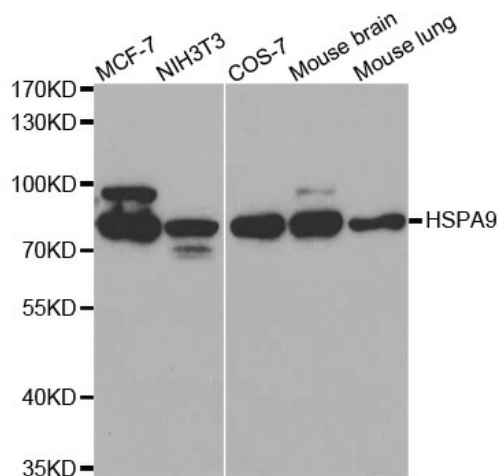


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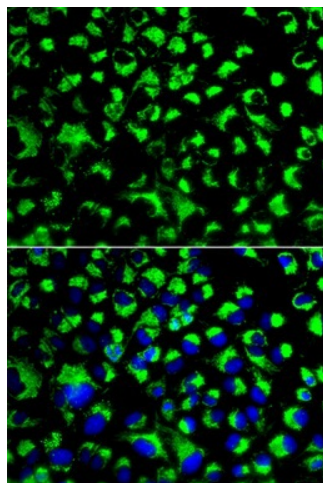
Protein Families: Stem cell - Pluripotency

Protein Pathways: RNA degradation

Product images:



Western blot analysis of extracts of various cell lines, using HSPA9 antibody.



Immunofluorescence analysis of U2OS cell using HSPA9 antibody. Blue: DAPI for nuclear staining.