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Product datasheet for TA500548AM

Grp75 (HSPA9) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI4A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A1
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human HSPA9 expression vector
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	73.7 kDa
Gene Name:	heat shock protein family A (Hsp70) member 9
Database Link:	NP_004125 Entrez Gene 15526 MouseEntrez Gene 291671 RatEntrez Gene 474697 DogEntrez Gene 714506 MonkeyEntrez Gene 3313 Human P38646
Background:	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein plays a role in the control of cell proliferation. It may also act as a chaperone.
Synonyms:	CSA; GRP-75; GRP75; HEL-S-124m; HSPA9B; MOT; MOT2; MTHSP75; PBP74

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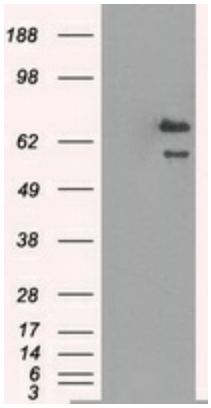
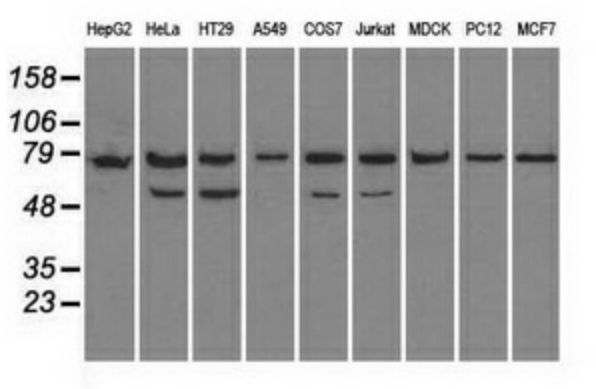
Protein Families: Stem cell - Pluripotency

Protein Pathways: RNA degradation

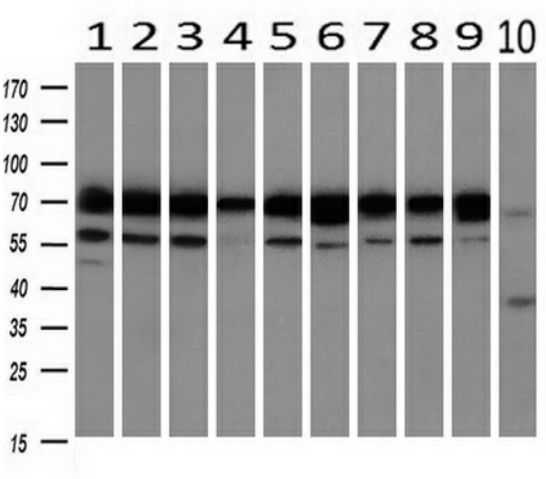
Product images:



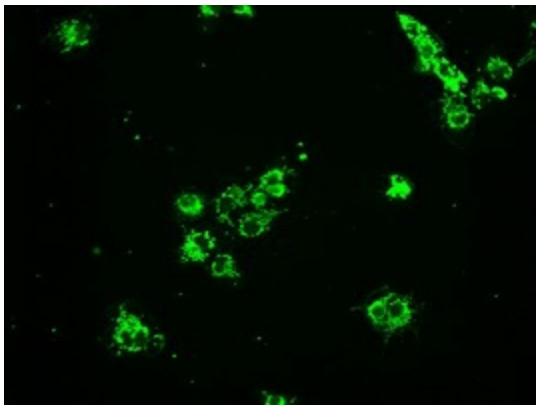
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSPA9 ([RC201397], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPA9. Positive lysates [LY401334] (100ug) and [LC401334] (20ug) can be purchased separately from OriGene.



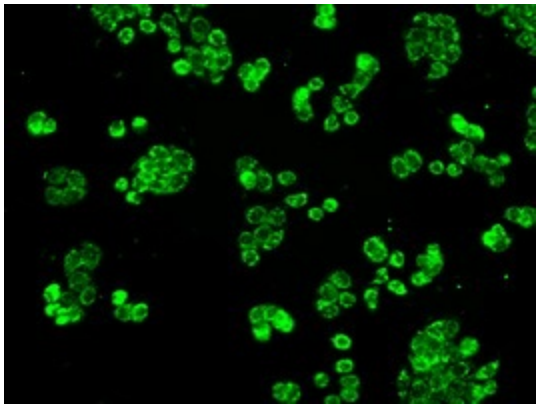
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HSPA9 monoclonal antibody.



Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-HSPA9 monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).



Anti-HSPA9 mouse monoclonal antibody ([TA500548]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HSPA9 ([RC201397]).



Immunofluorescent staining of HT29 cells using anti-HSPA9 mouse monoclonal antibody ([TA500548]).