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Product datasheet for TA500516

Grp75 (HSPA9) Mouse Monoclonal Antibody [Clone ID: OTI9F8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9F8
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:50, FLOW 1:100
Reactivity:	Human, Monkey, Rat, Dog
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSPA9 (NP_004125) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	73.5 kDa
Gene Name:	heat shock protein family A (Hsp70) member 9
Database Link:	NP_004125 Entrez Gene 291671 RatEntrez Gene 474697 DogEntrez Gene 714506 MonkeyEntrez Gene 3313 Human
Background:	This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.
Synonyms:	CSA; GRP-75; GRP75; HEL-S-124m; HSPA9B; MOT; MOT2; MTHSP75; PBP74
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation

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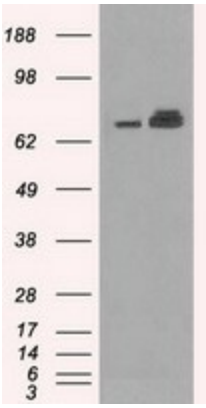
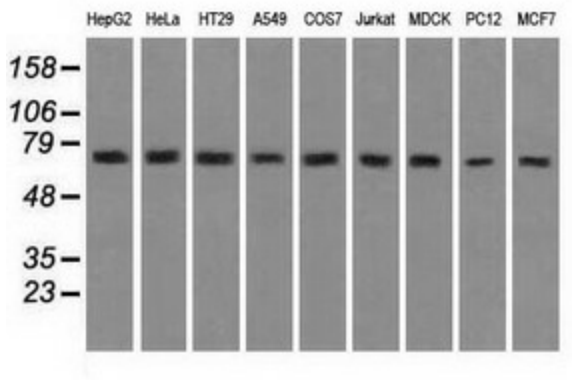
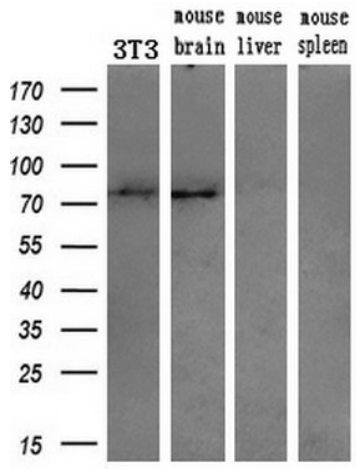
Product images:



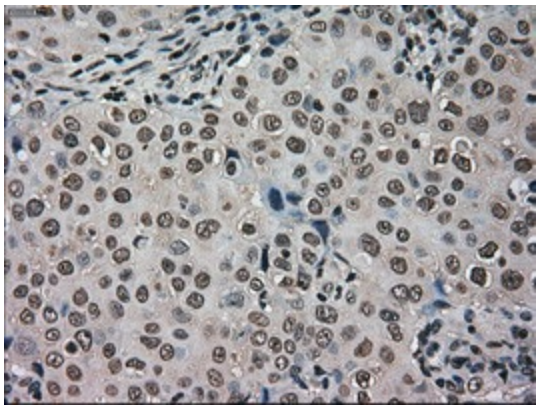
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSPA9 ([RC201397], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPA9. Positive lysates [LY401334] (100ug) and [LC401334]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



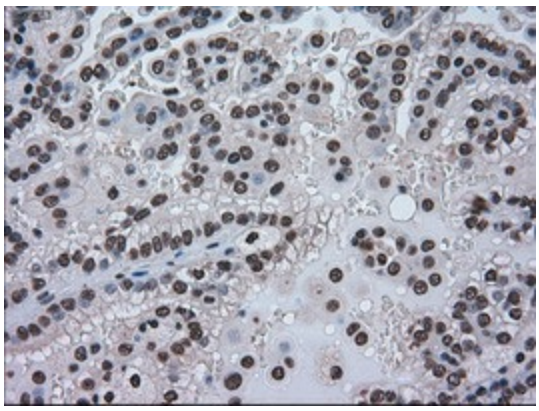
Western blot analysis of extracts (35ug) from 9 different cell lines by usin g anti-HSPA9 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



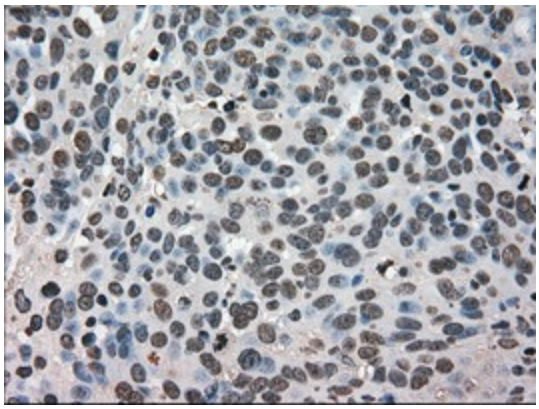
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-HSPA9 monoclonal antibody (1:200).



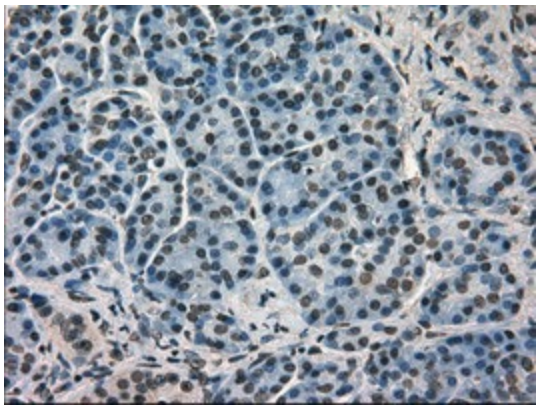
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



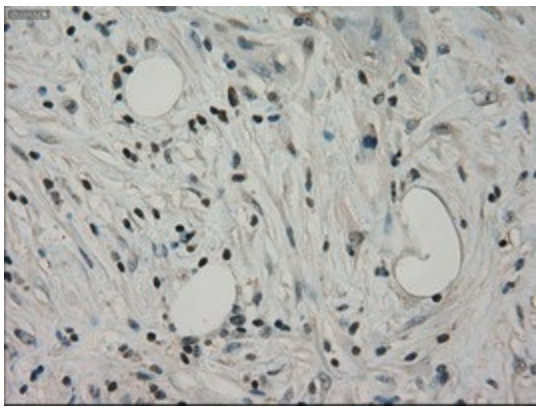
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



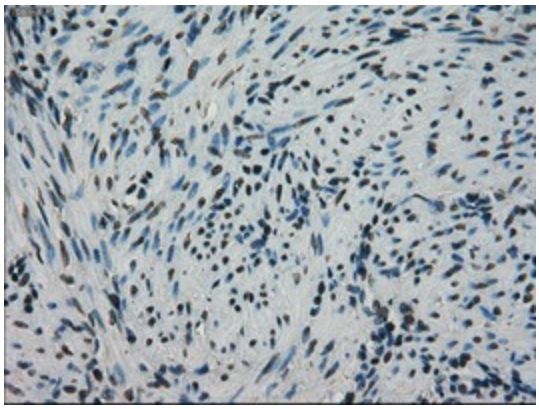
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



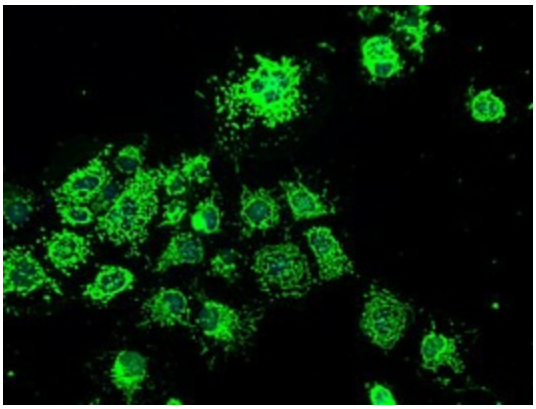
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



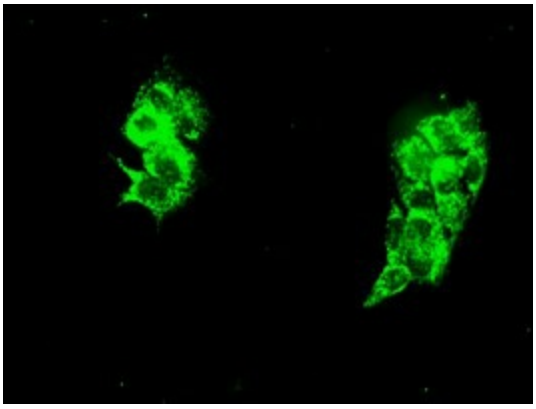
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



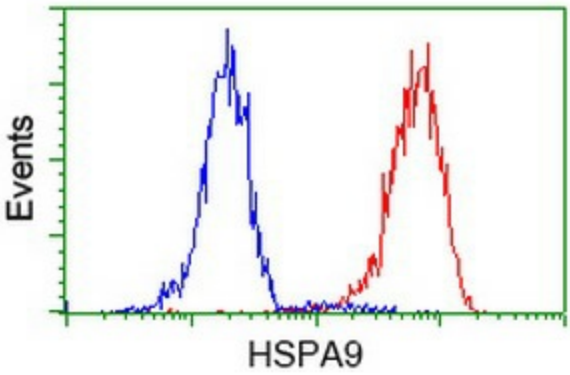
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-HSPA9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500516)



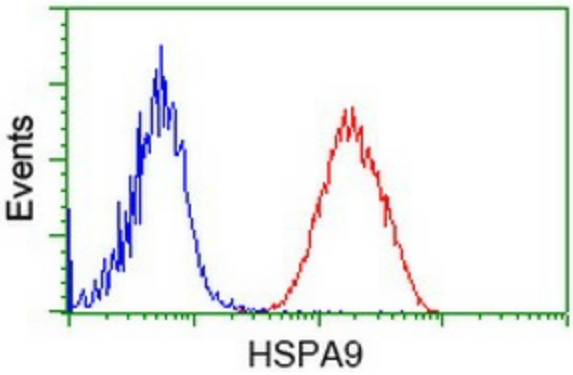
Anti-HSPA9 mouse monoclonal antibody (TA500516) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HSPA9 ([RC201397]).



Immunofluorescent staining of HepG2 cells using anti-HSPA9 mouse monoclonal antibody (TA500516).



Flow cytometric Analysis of Hela cells, using anti-HSPA9 antibody (TA500516), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-HSPA9 antibody (TA500516), (Red), compared to a nonspecific negative control antibody, (Blue).