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Product datasheet for TA503120M

LSM1 Mouse Monoclonal Antibody [Clone ID: OTI5C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5C6
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human LSM1 (NP_055277) 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)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15 kDa
Gene Name:	LSM1 homolog, mRNA degradation associated
Database Link:	NP_055277 Entrez Gene 67207 MouseEntrez Gene 364624 RatEntrez Gene 475587 DogEntrez Gene 27257 Human O15116
Background:	Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing. [supplied by OMIM]

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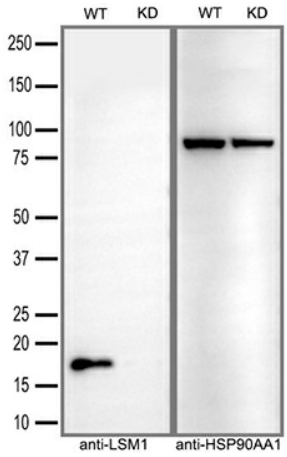
Synonyms: CASM; YJL124C

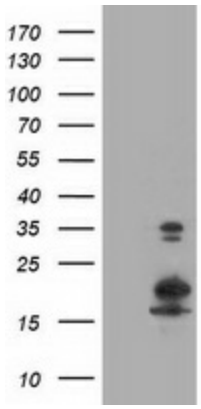
Protein Families: Stem cell - Pluripotency

Protein Pathways: RNA degradation

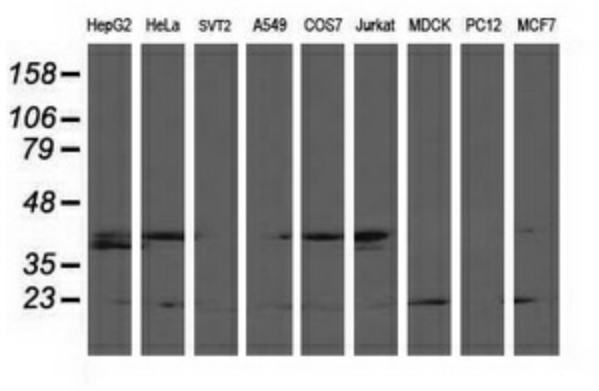
Product images:



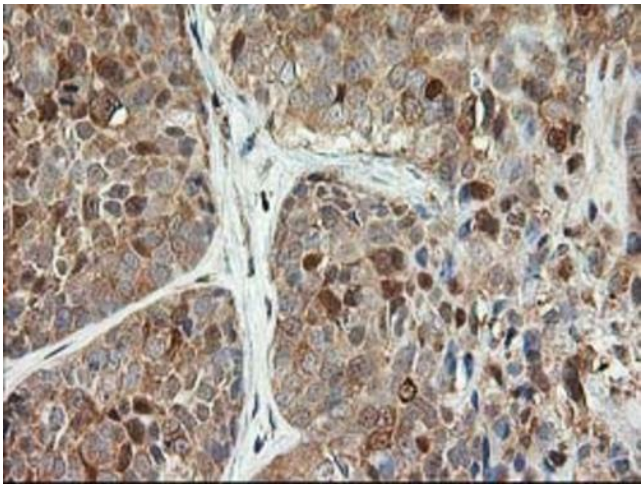
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells(WT) and LSM1-Knockdown HeLa cells(KD) were separated by SDS-PAGE and immunoblotted with anti-LSM1 monoclonal antibody [TA503120](1:2500).Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



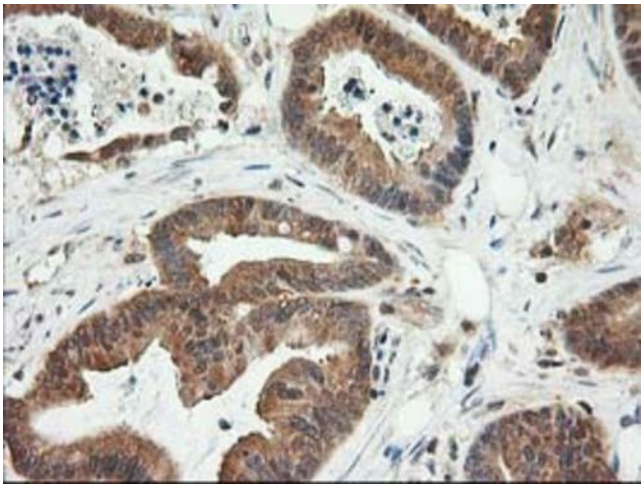
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY LSM1 (Cat# [RC200288], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LSM1(Cat# [TA503120]). Positive lysates [LY415265] (100ug) and [LC415265] (20ug) can be purchased separately from OriGene.



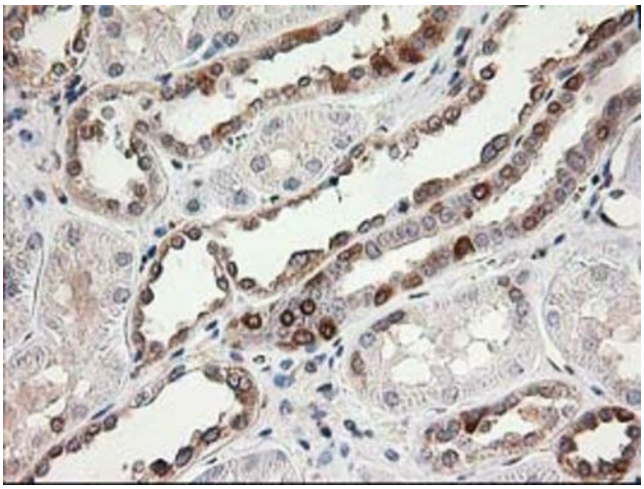
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-LSM1 monoclonal antibody.



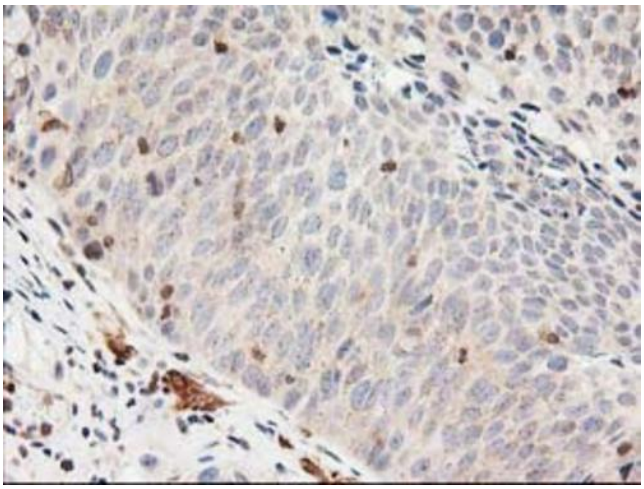
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-LSM1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



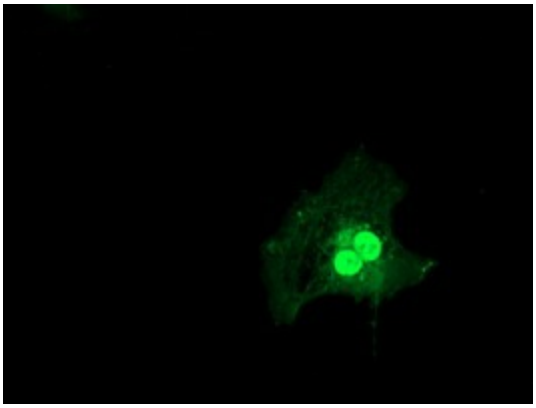
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-LSM1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



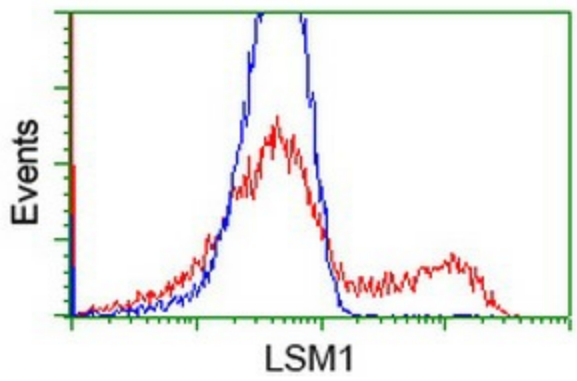
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-LSM1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



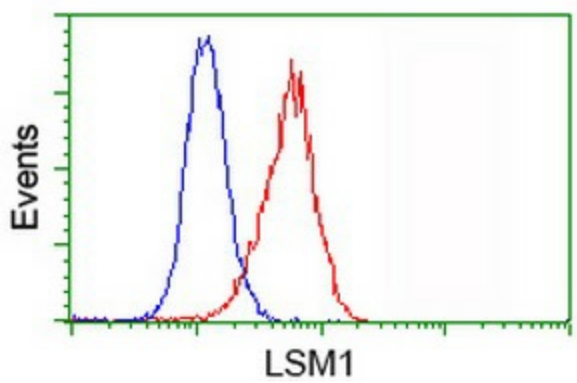
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-LSM1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



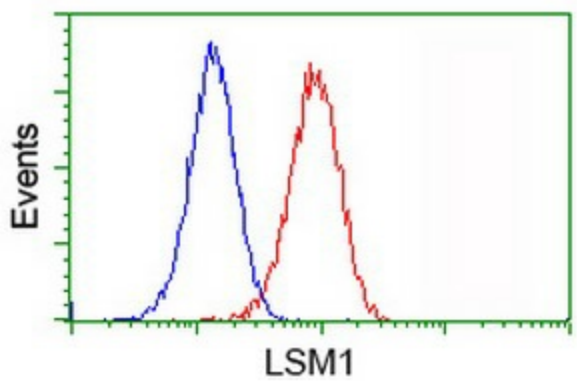
Anti-LSM1 mouse monoclonal antibody ([TA503120]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LSM1 ([RC200288]).



HEK293T cells transfected with either [RC200288] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LSM1 antibody ([TA503120]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-LSM1 antibody ([TA503120]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-LSM1 antibody ([TA503120]), (Red), compared to a nonspecific negative control antibody, (Blue).