10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LSM3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LSM3.
Catalog # AT2743a

Product Information

Application	WB, IF, E
Primary Accession	P62310
Other Accession	BC007055
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4C8-2D10
Calculated MW	11845

Additional Information

Gene ID	27258
Other Names	U6 snRNA-associated Sm-like protein LSm3, LSM3
Target/Specificity	LSM3 (AAH07055, 1 a.a. ~ 102 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	LSM3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

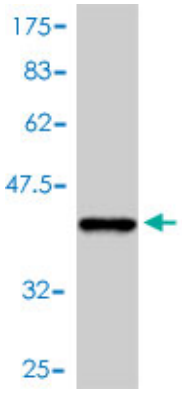
Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.

References

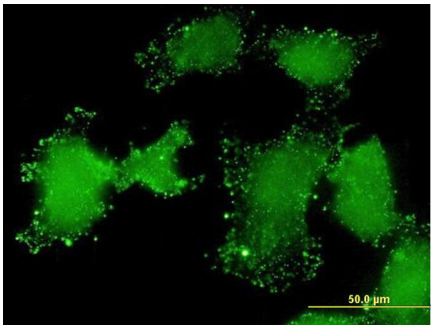
Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters

of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

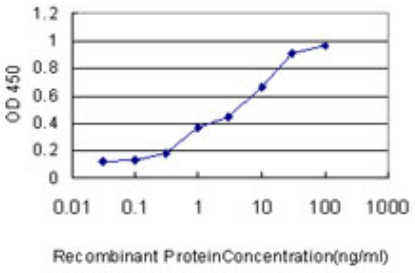
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .



Immunofluorescence of monoclonal antibody to LSM3 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged LSM3 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.