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SC65 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SC65.
Catalog # AT3776a

Specification

SC65 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	Q92791
Other Accession	NM_006455
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**50381**

SC65 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10609

Other Names
Synaptonemal complex protein SC65, Leprecan-like protein 4, Nucleolar autoantigen No55, LEPREL4, NOL55, SC65

Target/Specificity
SC65 (NP_006446, 270 a.a. ~ 379 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
SC65 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SC65 Antibody (monoclonal) (M01) - Protocols

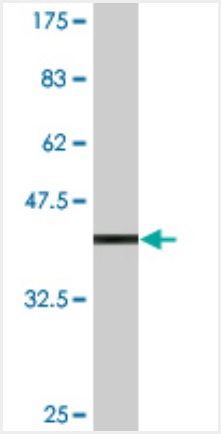
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

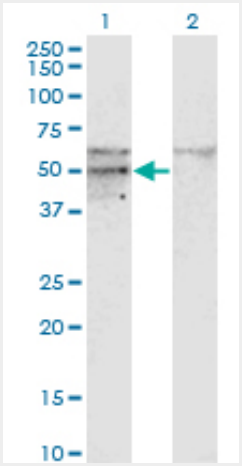
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SC65 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Western Blot analysis of SC65 expression in transfected 293T cell line by SC65 monoclonal antibody (M01), clone 1E12.

Lane 1: SC65 transfected lysate (Predicted MW: 50.381 KDa).
Lane 2: Non-transfected lysate.

SC65 Antibody (monoclonal) (M01) - Background

This nucleolar protein was first characterized because it was an autoantigen in cases on interstitial cystitis. The protein, with a predicted molecular weight of 50 kDa, appears to be localized in the particulate compartment of the interphase nucleolus, with a distribution distinct from that of nucleolar protein B23. During mitosis it is associated with chromosomes.

SC65 Antibody (monoclonal) (M01) - References

Insulin-dependent interactions of proteins with GLUT4 revealed through stable isotope labeling by amino acids in cell culture (SILAC). Foster LJ, et al. J Proteome Res, 2006 Jan. PMID 16396496.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.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Identification of nucleolar protein No55 as a tumour-associated autoantigen in patients with prostate cancer. Foss? A, et al. Br J Cancer, 2000 Sep. PMID 10952778.