

# SC65 Antibody (monoclonal) (M01)

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

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q92791</a>
<b>Other Accession</b>	<a href="#">NM_006455</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1.0E+12
<b>Calculated MW</b>	50381

## Additional Information

---

<b>Gene ID</b>	10609
<b>Other Names</b>	Synaptonemal complex protein SC65, Leprecan-like protein 4, Nucleolar autoantigen No55, LEPREL4, NOL55, SC65
<b>Target/Specificity</b>	SC65 (NP_006446, 270 a.a. ~ 379 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	SC65 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

---

This nucleolar protein was first characterized because it was an autoantigen in cases of 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.

## References

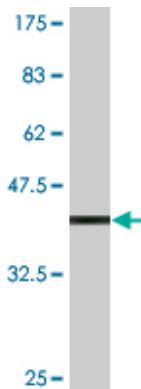
---

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,

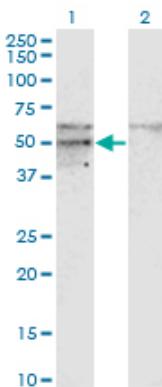
and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. *Nat Genet*, 2004 Jan. PMID 14702039. Generation and initial analysis 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.

## 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.

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