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SCML1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SCML1.

Catalog # AT3790a

Specification

SCML1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q9UN30
Other Accession	NM_006746
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**37447**

SCML1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6322

Other Names
Sex comb on midleg-like protein 1, SCML1

Target/Specificity
SCML1 (NP_006737, 3 a.a. ~ 100 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
SCML1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SCML1 Antibody (monoclonal) (M01) - Protocols

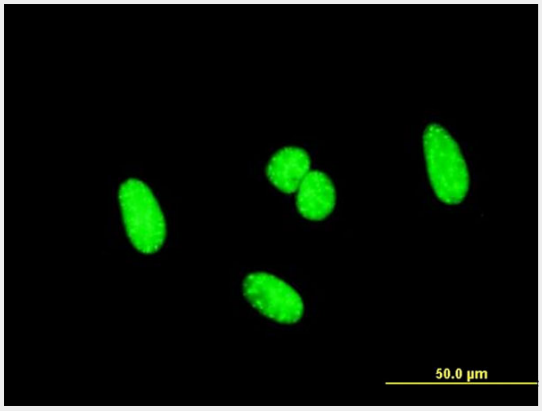
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

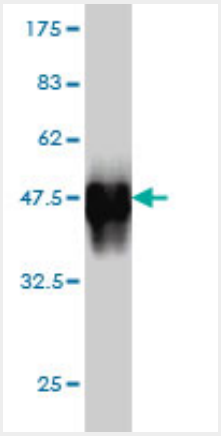
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

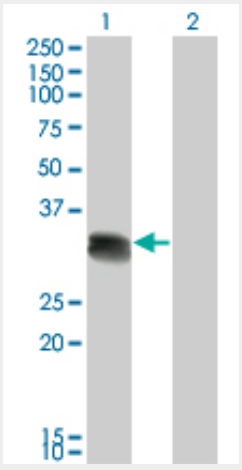
SCML1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to SCML1 on HeLa cell . [antibody concentration 10 ug/ml]



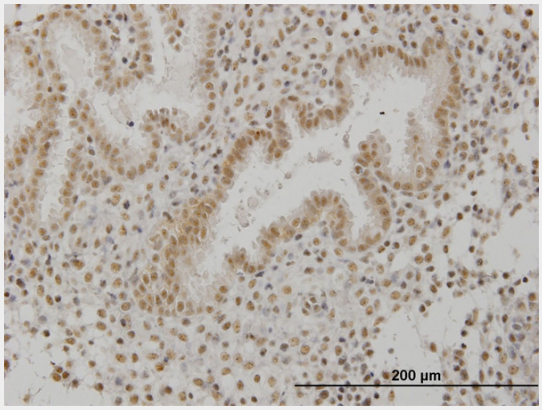
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



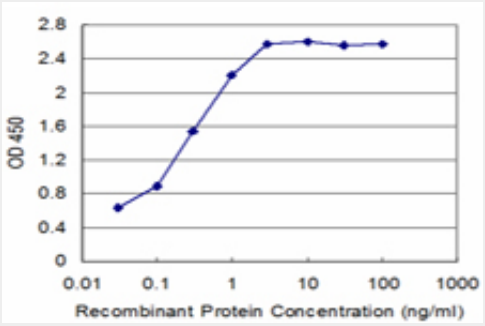
Western Blot analysis of SCML1 expression in transfected 293T cell line by SCML1 monoclonal

antibody (M01), clone 4G3.

Lane 1: SCML1 transfected lysate(23.131 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to SCML1 on formalin-fixed paraffin-embedded human endometrium. [antibody concentration 1.2 ug/ml]



Detection limit for recombinant GST tagged SCML1 is approximately 0.03ng/ml as a capture antibody.

SCML1 Antibody (monoclonal) (M01) - References

Adaptive evolution of SCML1 in primates, a gene involved in male reproduction. Wu HH, et al. BMC Evol Biol, 2008 Jul 5. PMID 18601738.The DNA sequence of the human X chromosome. Ross MT, et al. Nature, 2005 Mar 17. PMID 15772651.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.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.Characterization of SCML1, a new gene in Xp22, with homology to developmental polycomb genes. van de Vosse E, et al. Genomics, 1998 Apr 1. PMID 9570953.