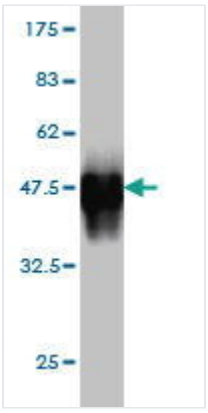
SCML1 Antibody – Mouse Monoclonal

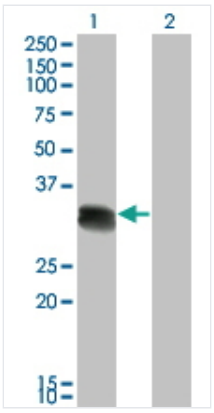
PRODUCT OVERVIEW

Product Name	SCML1, Monoclonal Antibody
Full Product Name	SCML1 (Sex Comb on Midleg-like Protein 1) APC
Product Gene Name	anti-SCML1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4G3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SCML1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34kDa
OMIM	300227
3D Structure	ModBase 3D Structure for Q5H968
Immunogen	Partial recombinant corresponding to aa3-101 from human SCML1 (NP_006737) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KNEVYETFSYPESYSPTLPVSRRENNSPSNLPRPSFCMEEYQRAELEEDPILSRTPSPVHPSDFSEHNCQPYYASDGATYGSSSGLCLGNPRADSIHN*
Conjugate	APC
Product Categories/Family for anti-SCML1 antibody	Antibodies; Spermatogenesis; Testis Proteins
Applications Tested/Suitable for anti-SCML1 antibody	ELISA (EIA), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-SCML1 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-SCML1 antibody	MBS6138930 is an antibody targeting SCML1. Also known as SCML1 (Sex Comb on Midleg-like Protein 1) APC. Reactive in Human. Host: Mouse.

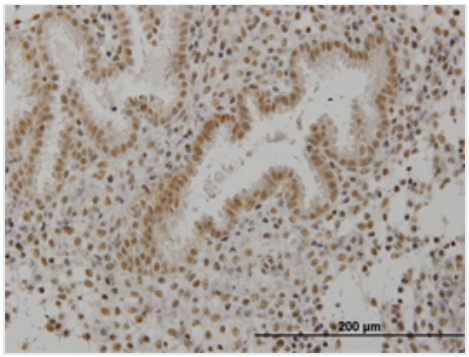
Other Notes	Small volumes of anti-SCML1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



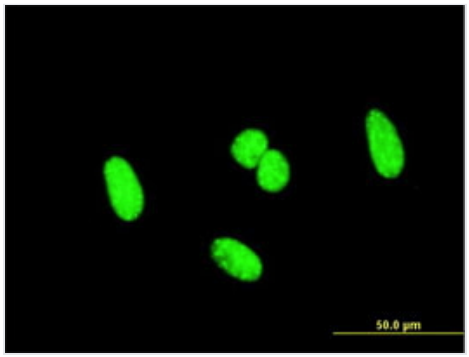
Western Blot (WB) of anti-SCML1 antibody
Western Blot detection against Immunogen (36.89kD).



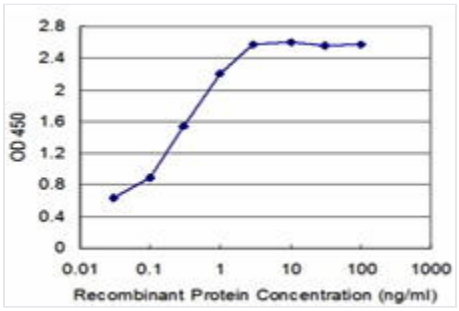
Western Blot (WB) of anti-SCML1 antibody
Western Blot analysis of SCML1 expression in transfected 293T cell line by SCML1 monoclonal antibody. Lane 1: SCML1 transfected lysate (23.131kD). Lane 2: Non-transfected lysate.



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



Immunofluorescence (IF) of anti-SCML1 antibody
Immunofluorescence of monoclonal antibody to SCML1 on HeLa cell. [antibody concentration 10ug/ml].



Testing Data of anti-SCML1 antibody
Detection limit for recombinant GST tagged SCML1 is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SCML1. It may not necessarily be applicable to this product.

NCBI GI #	82830426
NCBI GeneID	6322
NCBI Accession #	NP_006737
UniProt Primary Accession #	Q5H968
UniProt Related Accession #	Q9UN30

GenBank Nucleotide #	NM_006746
NCBI Official Full Name	sex comb on midleg-like protein 1 isoform b
NCBI Official Synonym Full Names	Scm polycomb group protein like 1
NCBI Official Symbol	SCML1
UniProt Protein Name	Sex comb on midleg-like protein 1
Protein Family	Sex comb on midleg-like protein
UniProt Gene Name	SCML1
UniProt Entry Name	SCML1_HUMAN
NCBI Protein Information	sex comb on midleg-like protein 1
Research Articles on SCML1	**1.** Here, we report a microdeletion of 170,6 Kb at Xp22.13 (17.733.948-17.904.576) (GRCh37/hg19).The microdeletion harbors the NHS, SCLML1, and RAI2 genes and results in a phenotype consistent with Nance-Horan syndromesyndrome and developmental delay
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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