



# SCML2 Polyclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYab-02226   |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | WB; ELISA;IHC  |
| <b>Gene Name</b>          | SCML2  |
| <b>Protein Name</b>       | Sex comb on midleg-like protein 2  |
| <b>Immunogen</b>          | Synthesized peptide derived from the Internal region of human SCML2.   |
| <b>Specificity</b>        | SCML2 Polyclonal Antibody detects endogenous levels of SCML2 protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Polyclonal, Rabbit,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000   |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | SCML2; Sex comb on midleg-like protein 2   |
| <b>Observed Band</b>      | 77kD   |
| <b>Cell Pathway</b>       | Nucleus .  |
| <b>Tissue Specificity</b> | Highly expressed in placenta, thymus and testis. Detected at lower levels in brain, liver, skeletal muscle, pancreas and ovary.  |
| <b>Function</b>           | function:Putative Polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SCM family.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 MBT repeats.,tissue specificity:Highly expressed in placenta, thymus and testis. Detected at lower levels in brain, liver, skeletal muscle, pancreas and ovary., |
| <b>Background</b>         | This gene encodes a member of the Polycomb group proteins. These proteins form the Polycomb repressive complexes which are involved in transcriptional repression. The encoded protein binds histone peptides that are monomethylated  |

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at lysine residues and may be involved in regulating homeotic gene expression during development. [provided by RefSeq, Jun 2010],

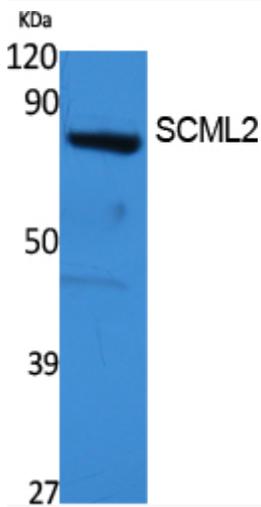
**matters needing attention**

Avoid repeated freezing and thawing!

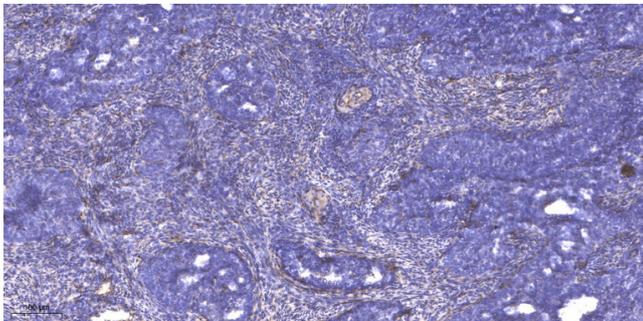
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of extracts from 293 cells, using SCML2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).