

## Bmi1 Rabbit mAb

Catalog No: #49303



Package Size: #49303-1 50ul #49303-2 100ul

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## Description

Product Name	Bmi1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ093-3
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Other Names	B lymphoma Mo MLV insertion region (mouse) antibody B lymphoma Mo MLV insertion region 1 homolog antibody Bmi 1 antibody BMI1 antibody BMI1 polycomb ring finger oncogene antibody BMI1_HUMAN antibody Flvi 2/bmi 1 antibody FLVI2/BMI1 antibody MGC12685 antibody Murine leukemia viral (bmi 1) oncogene homolog antibody Oncogene BMI 1 antibody PCGF 4 antibody PCGF4 antibody Polycomb complex protein BMI 1 antibody Polycomb complex protein BMI-1 antibody Polycomb group protein Bmi1 antibody Polycomb group ring finger 4 antibody Polycomb group RING finger protein 4 antibody RING finger protein 51 antibody RNF 51 antibody RNF51 antibody
Accession No.	Swiss-Prot#:P35226
Uniprot	P35226
GeneID	100532731;648;
Calculated MW	42 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

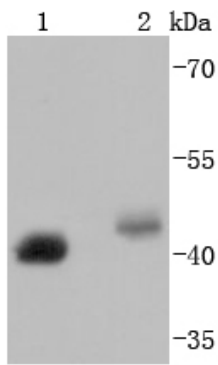
## Application Details

WB: 1:1,000-1:2,000

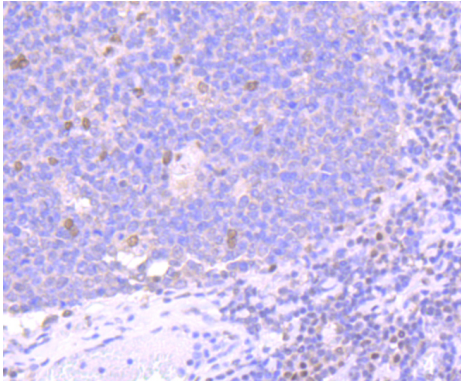
IHC: 1:50-1:200

ICC: 1:50-1:200

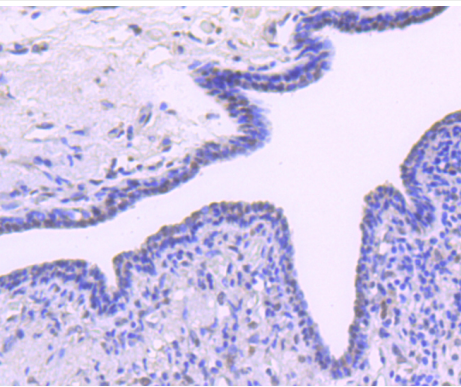
## Images



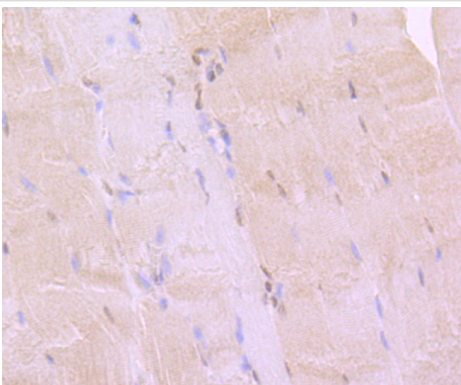
Western blot analysis of Bmi1 on different lysates using anti-Bmi1 antibody at 1/1,000 dilution. Positive control: Lane 1: K562 Lane 2: PC-12



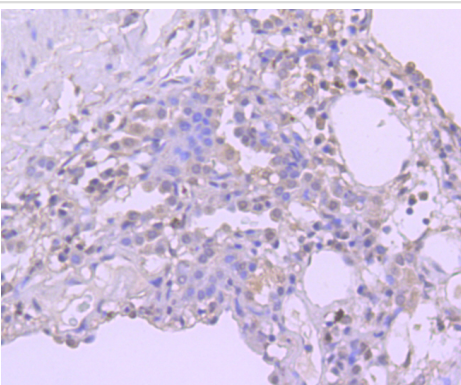
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Bmi1 antibody. Counter stained with hematoxylin.



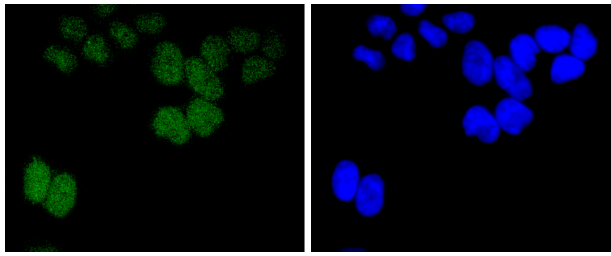
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Bmi1 antibody. Counter stained with hematoxylin.



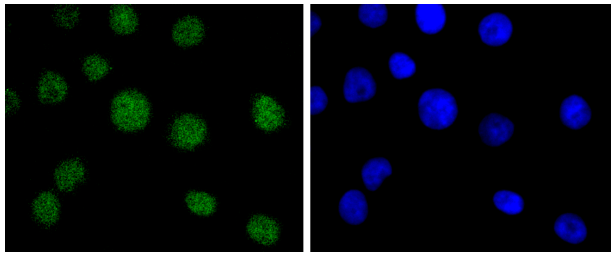
Immunohistochemical analysis of paraffin-embedded rat smooth muscle tissue using anti-Bmi1 antibody. Counter stained with hematoxylin.



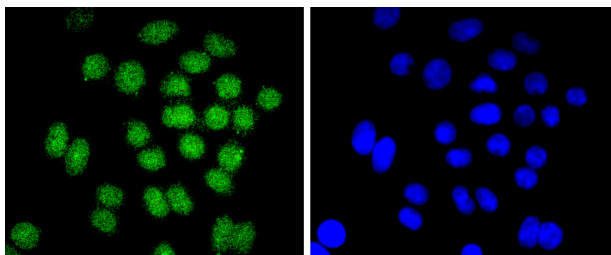
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Bmi1 antibody. Counter stained with hematoxylin.



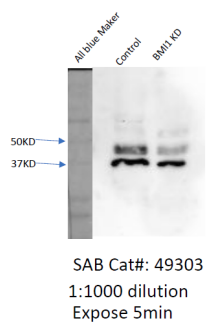
ICC staining Bmi1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bmi1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Bmi1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Gene Knockout

## Background

In *Drosophila*, Polycomb (Pc-g) gene family encodes chromatin proteins that are required for the repression of homeotic loci in embryonic development. Mel-18 and Bmi-1, mammalian homologs of *Drosophila* Pc-g group proteins, are similarly expressed during development and implicated in the regulation of gene expression, axial skeleton development, control of proliferation and survival of haematopoietic cells. Mel-18 directly binds to DNA through a RING-finger motif and preferentially associates with juxtaposed enhancer elements on various genes, including Bcl-2, c-Myc and Hox. Mel-18 is an immediate early response gene within the c-Myc/Cdc25 signaling cascade that exhibits tumor suppressor activity and negatively regulates cell cycle progression by blocking S phase entry. Alternatively, Bmi-1 has been identified as a potent oncogene as it contributes to the transcriptional activation of genes implicated in early lymphoid development. Proviral activation of Bmi-1 expression corresponds to enhanced

gene-specific activation of other proto-oncogenes, including c-Myc and Pim, subsequently resulting in the progression of lymphomagenesis.

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Note: This product is for in vitro research use only