



# Bmi-1 Rabbit Polyclonal Antibody(F270)

<b>Catalog No</b>	BYab-10287
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB
<b>Gene Name</b>	BMI1 PCGF4 RNF51
<b>Protein Name</b>	Bmi-1
<b>Immunogen</b>	Recombinant Protein derived from human Bmi-1
<b>Specificity</b>	This antibody detects endogenous levels of human Bmi-1
<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 serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Polycomb complex protein BMI-1 (Polycomb group RING finger protein 4) (RING finger protein 51)
<b>Observed Band</b>	37-43kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm .
<b>Tissue Specificity</b>	Epithelium,Erythrocyte,Muscle,Thymus,
<b>Function</b>	disease:Cooperates with the MYC oncogene to produce B-lymphomas.,function:Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of RNF2/RING2.,PTM:May be polyubiquitinated; which does not lead to proteasomal degradation.,similarity:Contains 1 RING-type zinc finger.,subunit:Component of chromatin-associated class II polycomb repressive complex 1 (PRC1/hPRC-H) at

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least composed of PCGF2/RNF110, BMI1/PCGF4, CBX2/M33, CBX4/PC2, CBX8/PC3, PHC1, PHC2, PHC3, SCMH1, RING1 and R

**Background**

BMI1 proto-oncogene, polycomb ring finger(BMI1) Homo sapiens This gene encodes a ring finger protein that is major component of the polycomb group complex 1 (PRC1). This complex functions through chromatin remodeling as an essential epigenetic repressor of multiple regulatory genes involved in embryonic development and self-renewal in somatic stem cells. This protein also plays a central role in DNA damage repair. This gene is an oncogene and aberrant expression is associated with numerous cancers and is associated with resistance to certain chemotherapies. A pseudogene of this gene is found on chromosome X. Read-through transcription also exists between this gene and the upstream COMM domain containing 3 (COMMD3) gene. [provided by RefSeq, Sep 2015],

**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**