



Bmi-1 mouse Monoclonal Antibody(F270)

Catalog No	YP-mAb-10287
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BMI1 PCGF4 RNF51
Immunogen	Recombinant Protein derived from human Bmi-1
Specificity	This antibody detects endogenous levels of human Bmi-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PCGF4;Polycomb complex protein BMI-1;Polycomb group RING finger protein 4; RNF51;Bmi-1;BMI1 PCGF4 RNF51;Polycomb complex protein BMI-1 (Polycomb group RING finger protein 4) (RING finger protein 51)
Observed Band	37-43 kDa
Calculated Molecular Weight	37 kDa
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Epithelium,Erythrocyte,Muscle,Thymus,
Function	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 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