

KD-Validated Anti-Bmi1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2369

Product Information

Application	WB, ICC
Primary Accession	P35226
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB685
Calculated MW	36949
Gene Name	BMI1
Aliases	BMI1 Proto-Oncogene, Polycomb Ring Finger; RNF51; PCGF4; Polycomb Group RING Finger Protein 4; Polycomb Complex Protein BMI-1; B Lymphoma Mo-MLV Insertion Region 1 Homolog (Mouse); Murine Leukemia Viral (Bmi-1) Oncogene Homolog; B Lymphoma Mo-MLV Insertion Region 1 Homolog; BMI1 Polycomb Ring Finger Proto-Oncogene; BMI1 Polycomb Ring Finger Oncogene; Polycomb Group Ring Finger 4; Polycomb Group Protein Bmi1; Ring Finger Protein 51; RING Finger Protein 51; Flvi-2/Bmi-1; FLVI2/BMI1
Immunogen	A synthesized peptide derived from human BMI1

Additional Information

Gene ID	100532731;648
Other Names	Polycomb complex protein BMI-1, Polycomb group RING finger protein 4, RING finger protein 51, BMI1, PCGF4, RNF51

Protein Information

Name	BMI1
Synonyms	PCGF4, RNF51
Function	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class 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 (PubMed: 15386022 , PubMed: 16359901 , PubMed: 16714294 , PubMed: 21772249 , PubMed: 25355358 , PubMed: 26151332 , PubMed: 27827373). The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A (PubMed: 21772249 , PubMed: 25355358). In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2 (PubMed: 15386022 , PubMed: 21772249 , PubMed: 26151332).

Cellular Location

Nucleus. Cytoplasm

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