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BMI1 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF4119a

Specification

BMI1 Antibody (C-Term) - Product Information

Application	**WB**
Primary Accession	P35226
Other Accession	NP_005171.4, 648
Reactivity	**Human**
Predicted	**Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**36949**

BMI1 Antibody (C-Term) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BMI1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

BMI1 Antibody (C-Term) - 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:26151332, PubMed:16714294, PubMed:21772249, PubMed:25355358, 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:26151332, PubMed:21772249).

Cellular Location
Nucleus. Cytoplasm

BMI1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BMI1 Antibody (C-Term) - Images



AF4119a (0.03 µg/ml) staining of K562 nuclear lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BMI1 Antibody (C-Term) - References

A positive feedback loop regulates the expression of polycomb group protein BMI1 via WNT signaling pathway. Cho JH, Dimri M, Dimri GP. The Journal of biological chemistry 2013 Feb 288 (5): 3406-18. PMID: 23239878