

BMI1 (aa237-251) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4118a

Specification

BMI1 (aa237-251) Antibody (internal region) - Product Information

| | |
|-------------------|---|
| Application | WB |
| Primary Accession | P35226 |
| Other Accession | NP_005171.4 , 648 , 12151 (mouse) |
| Reactivity | Human |
| Predicted | Mouse, Pig, Dog |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Isotype | IgG |
| Calculated MW | 36949 |

BMI1 (aa237-251) Antibody (internal region) - 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 (aa237-251) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

BMI1 (aa237-251) Antibody (internal region) - 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](http://www.uniprot.org/citations/15386022)), PubMed: [16359901](http://www.uniprot.org/citations/16359901), PubMed: [16714294](http://www.uniprot.org/citations/16714294), PubMed: [21772249](http://www.uniprot.org/citations/21772249), PubMed: [25355358](http://www.uniprot.org/citations/25355358), PubMed: [26151332](http://www.uniprot.org/citations/26151332), PubMed: [27827373](http://www.uniprot.org/citations/27827373)). The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A (PubMed: [21772249](http://www.uniprot.org/citations/21772249)), PubMed: [25355358](http://www.uniprot.org/citations/25355358)). In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2 (PubMed: [15386022](http://www.uniprot.org/citations/15386022)), PubMed: [21772249](http://www.uniprot.org/citations/21772249), PubMed: [26151332](http://www.uniprot.org/citations/26151332)).

Cellular Location

Nucleus. Cytoplasm

BMI1 (aa237-251) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMI1 (aa237-251) Antibody (internal region) - Images



AF4118a (0.1 µg/ml) staining of K562 nuclear lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

BMI1 (aa237-251) Antibody (internal region) - 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