

**(Mouse) Bmi1 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP21436b

**Specification**

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**(Mouse) Bmi1 Blocking Peptide (C-term) - Product Information**Primary Accession [P25916](#)**(Mouse) Bmi1 Blocking Peptide (C-term) - Additional Information**

Gene ID 12151

**Other Names**

Polycomb complex protein BMI-1, Polycomb group RING finger protein 4, Bmi1, Bmi-1, Pcgf4

**Target/Specificity**

The synthetic peptide sequence is selected from aa 235-248 of HUMAN Bmi1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**(Mouse) Bmi1 Blocking Peptide (C-term) - Protein Information**

Name Bmi1

Synonyms Bmi-1, Pcgf4

**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. The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A. In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2 (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P35226}. Cytoplasm {ECO:0000250|UniProtKB:P35226}

**Tissue Location**

Detected in most organs with high expression levels in thymus, heart, brain and testis

### **(Mouse) Bmi1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **(Mouse) Bmi1 Blocking Peptide (C-term) - Images**

### **(Mouse) Bmi1 Blocking Peptide (C-term) - Background**

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. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of RNF2/RING2 (By similarity).

### **(Mouse) Bmi1 Blocking Peptide (C-term) - References**

Haupt Y., et al. Cell 65:753-763(1991).  
van Lohuiizen M., et al. Cell 65:737-752(1991).  
Cao R., et al. Mol. Cell 20:845-854(2005).  
Buchwald G., et al. EMBO J. 25:2465-2474(2006).