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(Mouse) Bmi1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21436b

Specification

(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

(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 Lohuizen 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).

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