10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

(Mouse) Bmi1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21436b

Product Information

Application	WB, E
Primary Accession	P25916
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51842
Calculated MW	36708

Additional Information

Gene ID	12151
Other Names	Polycomb complex protein BMI-1, Polycomb group RING finger protein 4, Bmi1, Bmi-1, Pcgf4
Target/Specificity	This mouse Bmi1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 235-268 amino acids from the C-terminal region of mouse Bmi1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(Mouse) Bmi1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

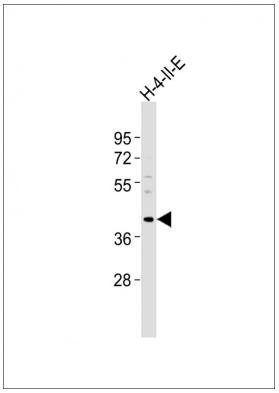
Background

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).

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).

Images



Anti-Bmi1 Antibody (C-term)at 1:2000 dilution + H-4-Ⅱ-E whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.