



Rabbit Anti-Bmi1 monoclonal antibody, clone KK104-4 (CABT-L854)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Bmi1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Clone	KK104-4
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	42 kDa
Cellular Localization	Nucleus, Cytoplasm.
Positive Control	A549, SW480, Hela, K562, PC-12, rat smooth muscle tissue, human tonsil tissue, human lung cancer tissue, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	In Drosophila, Polycomb (Pc-g) gene family encodes chromatin proteins that are required for the repression of homeotic loci in embryonic development. Mel-18 and Bmi-1, mammalian homologs of Drosophila Pc-g group proteins, are similarly expressed during development and implicated in the regulation of gene expression, axial skeleton development, control of proliferation and survival of haematopoietic cells. Mel-18 directly binds to DNA through a RING-finger motif and preferentially associates with juxtaposed enhancer elements on various genes, including Bcl-2, c-Myc and Hox. Mel-18 is an immediate early response gene within the c-Myc/Cdc25 signaling cascade that exhibits tumor suppressor activity and negatively regulates cell cycle progression by blocking S phase entry. Alternatively, Bmi-1 has been identified as a potent oncogene as it contributes to the transcriptional activation of genes implicated in early lymphoid development. Proviral activation of Bmi-1 expression corresponds to enhanced gene-specific activation of other proto-oncogenes, including c-Myc and Pim, subsequently resulting in the progression of lymphomagenesis.
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Keywords	B lymphoma Mo MLV insertion region (mouse);B lymphoma Mo MLV insertion region 1 homolog;Bmi 1;BMI1;BMI1 polycomb ring finger oncogene;BMI1_HUMAN;Flvi 2/bmi 1;FLVI2/BMI1;MGC12685;Murine leukemia viral (bmi 1) oncogene homolog;Oncogene BMI 1;PCGF 4;PCGF4;Polycomb complex protein BMI 1;Polycomb complex protein BMI-1;Polycomb group protein Bmi1;Polycomb group ring finger 4;Polycomb group RING finger protein 4;RING finger protein 51;RNF 51;RNF51 antibody
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GENE INFORMATION

Entrez Gene ID	3172
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