

# Anti-BMI1 monoclonal antibody, clone 2.U.32 (DCABH-3903)

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

## PRODUCT INFORMATION

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| **Product Overview** | Mouse monoclonal to Bmi1 - ChIP Grade |
| **Antigen Description** | Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex 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. |
| **Specificity** | Recognizes mouse Bmi-1(triplet). |
| **Immunogen** | Recombinant fragment, corresponding to amino acids 1-202 of Mouse Bmi1 |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Mouse, Rat, Rabbit, Cat, Human, Xenopus laevis, Zebrafish |
| **Clone** | 2.U.32 |
| **Purity** | Protein G purified |
| **Conjugate** | Unconjugated |
| **Applications** | ICC/IF, Flow Cyt, ChIP, WB, ICC, IP, IHC-Fr, IHC-P |
| **Positive Control** | U2OS whole cell lysate. |
| **Format** | Liquid |

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| **Size** | 25 μg |
| **Buffer** | Preservative: 0.05% Sodium Azide; Constituents: 30% Glycerol, 0.15M Sodium Chloride, 0.15M Tris-glycine. pH 7.4 |
| **Storage** | store at -20°C. Avoid freeze / thaw cycles. |
| **Ship** | Shipped at 4°C. |

# GENE INFORMATION

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| **Gene Name** | Bmi1 Bmi1 polycomb ring finger oncogene [ Mus musculus ] |
| **Official Symbol** | BMI1 |
| **Synonyms** | BMI1; Bmi1 polycomb ring finger oncogene; polycomb complex protein BMI-1; polycomb group ring finger 4; B lymphoma Mo-MLV insertion region 1; polycomb group RING finger protein 4; Bmi-1; Pcgf4; AW546694; |
| **Entrez Gene ID** | 12151 |
| **Protein Refseq** | NP_031578 |
| **UniProt ID** | P25916 |
| **Pathway** | Senescence and Autophagy, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; |
| **Function** | RING-like zinc finger domain binding; chromatin binding; metal ion binding; protein binding; sequence-specific DNA binding; contributes_to ubiquitin-protein ligase activity; zinc ion binding; |

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