



# Anti-BMI1 monoclonal antibody, clone 4F4 (DCABH-14718)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant protein corresponding to human BMI1.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4F4
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); Western Blot (Recombinant protein); Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections); Immunofluorescence; ELISA; Flow Cytometry
<b>Format</b>	Liquid
<b>Buffer</b>	In ascites (0.03% sodium azide)
<b>Preservative</b>	0.03% Sodium Azide
<b>Storage</b>	Store at 4°C For long term storage store at -20°C Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">BMI1 BMI1 polycomb ring finger oncogene [ Homo sapiens ]</a>
Official Symbol	BMI1
Synonyms	BMI1; BMI1 polycomb ring finger oncogene; B lymphoma Mo MLV insertion region 1 homolog (mouse) , PCGF4, polycomb group ring finger 4; polycomb complex protein BMI-1; RNF51; flvi-2/bmi-1; ring finger protein 51; polycomb group protein Bmi1; polycomb group RING finger protein 4; B lymphoma Mo-MLV insertion region 1 homolog; murine leukemia viral (bmi-1) oncogene homolog; PCGF4; FLVI2/BMI1; MGC12685;
Entrez Gene ID	<a href="#">648</a>
Protein Refseq	<a href="#">NP_005171</a>
UniProt ID	<a href="#">P35226</a>
Chromosome Location	10p13
Pathway	Senescence and Autophagy, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; Validated targets of C-MYC transcriptional activation, organism-spec
Function	RING-like zinc finger domain binding; chromatin binding; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding; zinc ion binding;