

Mouse anti-Human BMI1 Monoclonal Antibody | anti-BMI1 antibody

BMI1 Antibody

CATALOG # AAA283541	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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PRODUCT SYNONYMS

BMI1; Monoclonal Antibody; BMI1 Antibody; Polycomb complex protein BMI-1; Polycomb group RING finger protein 4; RING finger protein 51; PCGF4; RNF51; anti-BMI1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	282CT3.7.6
Specificity	This BMI1 monoclonal antibody is generated from mouse immunized with BMI1 recombinant protein.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	469
Applicable Applications for anti-BMI1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of BMI1 Antibody with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

BMI1 Antibody western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the BMI1 antibody detected the BMI1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-BMI1 antibody	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.
Product Categories/Family for anti-BMI1 antibody	Cancer; Cell Biology; Signal transduction
References	Ismail, I.H., et al. J. Cell Biol. 191(1):45-60(2010) Yang, M.H., et al. Nat. Cell Biol. 12(10):982-992(2010) Kikuchi, J., et al. Cancer 116(12):3015-3024(2010) Honig, A., et al. Anticancer Res. 30(5):1559-1564(2010) Venkataraman, S., et al. PLoS ONE 5 (6), E10748 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	323276616
NCBI GeneID	100532731
NCBI Accession #	NP_001190991.1; NP_005171.4
NCBI GenBank Nucleotide #	NM_001204062.1
UniProt Accession #	P35226; Q16030; Q5T8Z3; Q96F37
Molecular Weight	36949
NCBI Official Full Name	COMMD3-BMI1 read-through protein
NCBI Official Synonym Full Names	COMMD3-BMI1 readthrough
NCBI Official Symbol	COMMD3-BMI1
NCBI Protein Information	COMMD3-BMI1 read-through protein
UniProt Protein Name	Polycomb complex protein BMI-1
UniProt Gene Name	BMI1
UniProt Synonym Gene Names	PCGF4; RNF51
UniProt Entry Name	BMI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/bmi1-antibody-clone-282ct3-7-6-immunofluorescence-western-blot-elisa/283541>