

Rabbit BMI1 Polyclonal Antibody | anti-BMI1 antibody

BMI1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287782	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Mouse)	Immunohistochemistry, ELISA, Western Blot

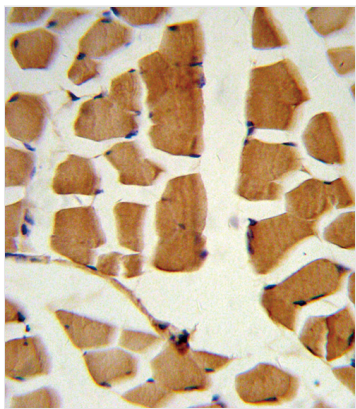
PRODUCT SYNONYMS

BMI1; Polyclonal Antibody; BMI1 Antibody (C-term); Polycomb complex protein BMI-1; Polycomb group RING finger protein 4; RING finger protein 51; PCGF4; RNF51; anti-BMI1 antibody

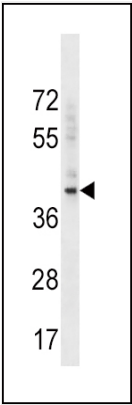
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BMI1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 257-286 amino acids from the C-terminal region of human BMI1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	257-286
Sequence Length	326
Applicable Applications for anti-BMI1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.

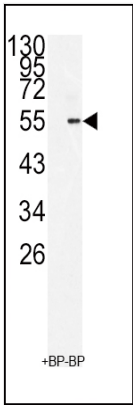
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human skeletal muscle reacted with BMI1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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



WB (Western Blot)
Western blot analysis of BMI1 Antibody (C-term) antibody in 293 cell line lysates (35ug/lane). BMI1(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-BMI1 antibody	BMI is a 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 ligase activity of RNF2/RING2. BMI cooperates with the MYC oncogene to produce B-lymphomas.
Product Categories/Family for anti-BMI1 antibody	Cancer; Cell Biology; Signal transduction
References	Smith, K.S., et al., Mol. Cell 12(2):393-400 (2003). Xia, Z.B., et al., Proc. Natl. Acad. Sci. U.S.A. 100(14):8342-8347 (2003). Itahana, K., et al., Mol. Cell. Biol. 23(1):389-401 (2003). Dimri, G.P., et al., Cancer Res. 62(16):4736-4745 (2002). Bardos, J.I., et al., J. Biol. Chem. 275(37):28785-28792 (2000).

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/polyclonal/bmi1-antibody-immunohistochemistry-western-blot-elisa/287782>