

Rabbit anti-Human, Mouse BMI1 Polyclonal Antibody | anti-BMI1 antibody

BMI1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290602	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

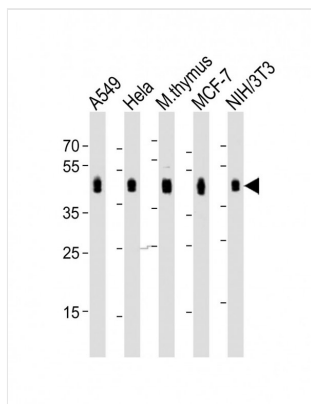
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

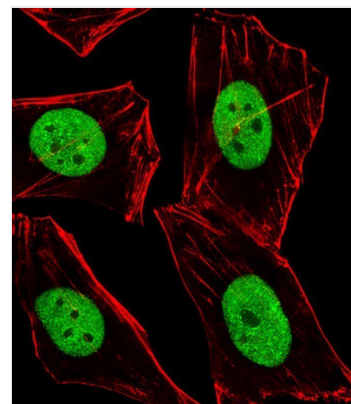
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Ig
Specificity	This BMI1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 281-314 amino acids from the C-terminal region of human BMI1.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	469
Applicable Applications for anti-BMI1 antibody	IF (Immunofluorescence), WB (Western Blot)
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



WB (Western Blot)

All lanes : Anti-BMI1 Antibody (C-term) at 1:1000-1:2000 dilution
Lane 1: A549 whole cell lysate
Lane 2: HeLa whole cell lysate
Lane 3: mouse thymus lysate
Lane 4: MCF-7 whole cell lysate
Lane 5: NIH/3T3 whole cell lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human cervical epithelial adenocarcinoma cell line) cells labeling BMI1 with AP21642b at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/400 dilution (green). Confocal image showing nuclear staining on HeLa cell line. Cytoplasmic actin is detected with Alexa Fluor 555 conjugated with Phalloidin (OB16636430) at 1/100 dilution (red).

ADDITIONAL INFORMATION

Related Product Information for anti-BMI1 antibody	Component of a Polycomb group (PcG) multiprotein PRC1- like complex, a complex class 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	Crown Antibodies; Cancer; Cell Biology; Stem Cells
References	Alkema M.J.,et al.Hum. Mol. Genet. 2:1597-1603(1993). Ota T.,et al.Nat. Genet. 36:40-45(2004). Deloukas P.,et al.Nature 429:375-381(2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases. Levy L.S.,et al.Oncogene 8:1833-1838(1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	323276616
NCBI GeneID	100532731
NCBI Accession #	NP_001190991.1
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-immunofluorescence-western-blot-elisa/290602>