

Rabbit Polycomb complex protein BMI-1 Polyclonal Antibody | anti-BMI1 antibody

Anti-Bmi1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46034	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Western Blot

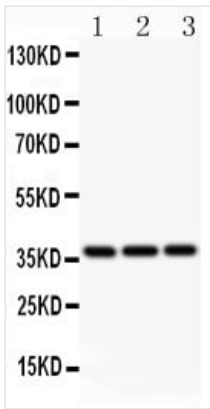
PRODUCT SYNONYMS

Polycomb complex protein BMI-1; Polyclonal Antibody; Anti-Bmi1 Antibody; B lymphoma Mo MLV insertion region (mouse) antibody; B lymphoma Mo MLV insertion region 1 homolog antibody; Bmi 1 antibody; BMI1 antibody; BMI1 polycomb ring finger oncogene antibody; BMI1_HUMAN antibody; Flvi 2/bmi 1 antibody; FLVI2/BMI1 antibody; MGC12685 antibody; Murine leukemia viral (bmi 1) oncogene homolog antibody; Oncogene BMI 1 antibody; PCGF 4 antibody; PCGF4 antibody; Polycomb complex protein BMI 1 antibody; Polycomb complex protein BMI-1 antibody; Polycomb group protein Bmi1 antibody; Polycomb group ring finger 4 antibody; Polycomb group RING finger protein 4 antibody; RING finger protein 51 antibody; RNF 51 antibody; RNF51 antibody; BMI1 proto-oncogene; polycomb ring finger; anti-BMI1 antibody

PRODUCT SPECIFICATIONS

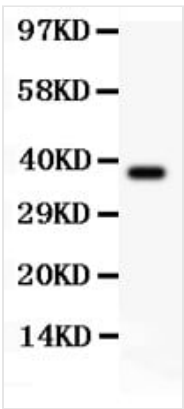
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Sequence Length	469
Applicable Applications for anti-BMI1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Bmi1(135-165aa IEEFDQNRLDRKVNKDKEKSKEEVNDKRYLR), different from the related mouse sequence by four amino acids.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

Anti-Bmi1 Picoband antibody, AAA46034-2.jpgAll lanes: Anti BMI1 (AAA46034) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: HT1080 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD



Application Data

Anti-Bmi1 Picoband antibody, AAA46034-1.jpgAll lanes: Anti BMI1 (AAA46034) at 0.5ug/mlWB: Recombinant Human BMI1 Protein 0.5ngPredicted bind size: 37KDObserved bind size: 37KD

ADDITIONAL INFORMATION

Related Product Information for anti-BMI1 antibody

Description: Rabbit IgG polyclonal antibody for Polycomb complex protein BMI-1(BMI1) detection. Tested with WB in Human;Mouse;Rat.

Background: BMI1(BMI1 polycomb ring finger oncogene), also known as RNF51, is a protein which in humans is encoded by the BMI1 gene. The Bmi1 gene is highly conserved in evolution as indicated by zoo blot hybridization with Bmi1 probes corresponding to the protein-encoding domain. By fluorescence in situ hybridization, the human BMI1 gene is assigned to chromosome 10p13. BMI1 has a key role in regulating the proliferative activity of normal stem and progenitor cells. Most importantly, they provided evidence that the proliferative potential of leukemic stem and progenitor cells lacking BMI1 is compromised because they eventually undergo proliferation arrest and show signs of differentiation and apoptosis, leading to transplant failure of the leukemia. Complementation studies showed that BMI1 completely rescues these proliferative defects. Deletion analysis showed that the RING finger and helix-turn-helix domains of BMI1 were required for life span extension and repression of the tumor suppressor p16(INK4). BMI1 selectively extended the life span of these cultures. Confocal microscopy showed that BMI1 transiently colocalized with centromeres during interphase in HeLa cells.

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	36,949 Da
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

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/polycomb-complex-protein-bmi-1-antibody-western-blot-elisa/46034>