

Product datasheet for **TA306298**

BMI1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	BMI-1 antibody was raised against a peptide corresponding to 15 amino acids near the center of human BMI-1.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	BMI1 proto-oncogene, polycomb ring finger
Database Link:	NP_005171 Entrez Gene 648 Human P35226

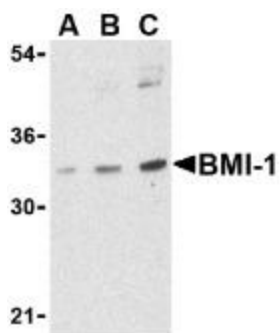
Background: The transcriptional repressor BMI-1 was first identified as a proto-oncogene frequently activated by Moloney murine leukemia proviral insertions in mice and cooperating with c-myc in the generation of mouse lymphomas . BMI-1 is involved in segment specification, cell growth and maintenance, transcriptional regulation, and chromatin modification. A major target of BMI-1 is the ink4a locus which encodes tumor suppressor proteins p16 and p19Arf, which are important in tumor progression and thought to be critical in cell proliferation and senescence (2). Recent studies have also shown that BMI-1 is required for the maintenance of adult normal and leukemic stem cells (3), suggesting that BMI-1 could an attractive therapeutic target for stem cell proliferation and renewal as well as for anti-cancer strategies.

Synonyms: BMI1; FLVI2; PCGF4; RNF51

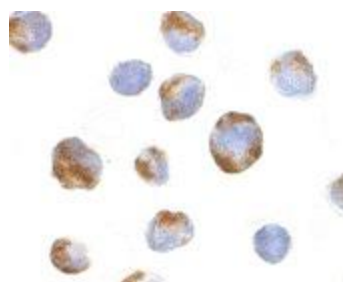


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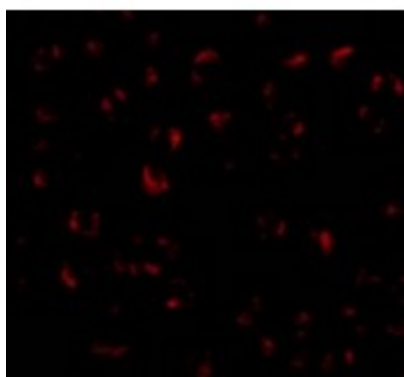
Product images:



Western blot analysis of BMI-1 in K562 cell lysate with BMI-1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunocytochemistry of BMI-1 in K562 cells with BMI-1 antibody at 10 ug/mL.



Immunofluorescence of BMI-1 in K562 cells with BMI-1 antibody at 20 ug/mL.