



Bmi-1 Monoclonal Antibody

Catalog No	BYab-00957
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;FCM;ELISA
Gene Name	BMI1
Protein Name	Polycomb complex protein BMI-1
Immunogen	Purified recombinant fragment of human Bmi-1 expressed in E. Coli.
Specificity	Bmi-1 Monoclonal Antibody detects endogenous levels of Bmi-1 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BMI1; PCGF4; RNF51; Polycomb complex protein BMI-1; Polycomb group RING finger protein 4; RING finger protein 51
Observed Band	
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Epithelium,Erythrocyte,Muscle,Thymus,
Function	disease:Cooperates with the MYC oncogene to produce B-lymphomas.,function: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.,PTM:May be polyubiquitinated; which does not lead to proteasomal degradation.,similarity:Contains 1 RING-type zinc finger.,subunit:Component of chromatin-associated class II polycomb repressive complex 1 (PRC1/hPRC-H) at

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least composed of PCGF2/RNF110, BMI1/PCGF4, CBX2/M33, CBX4/PC2, CBX8/PC3, PHC1, PHC2, PHC3, SCMH1, RING1 and R

Background

BMI1 proto-oncogene, polycomb ring finger(BMI1) Homo sapiens This gene encodes a ring finger protein that is major component of the polycomb group complex 1 (PRC1). This complex functions through chromatin remodeling as an essential epigenetic repressor of multiple regulatory genes involved in embryonic development and self-renewal in somatic stem cells. This protein also plays a central role in DNA damage repair. This gene is an oncogene and aberrant expression is associated with numerous cancers and is associated with resistance to certain chemotherapies. A pseudogene of this gene is found on chromosome X. Read-through transcription also exists between this gene and the upstream COMM domain containing 3 (COMMD3) gene. [provided by RefSeq, Sep 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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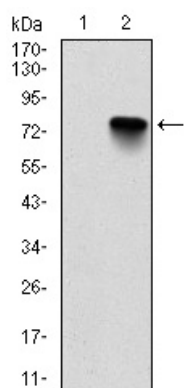
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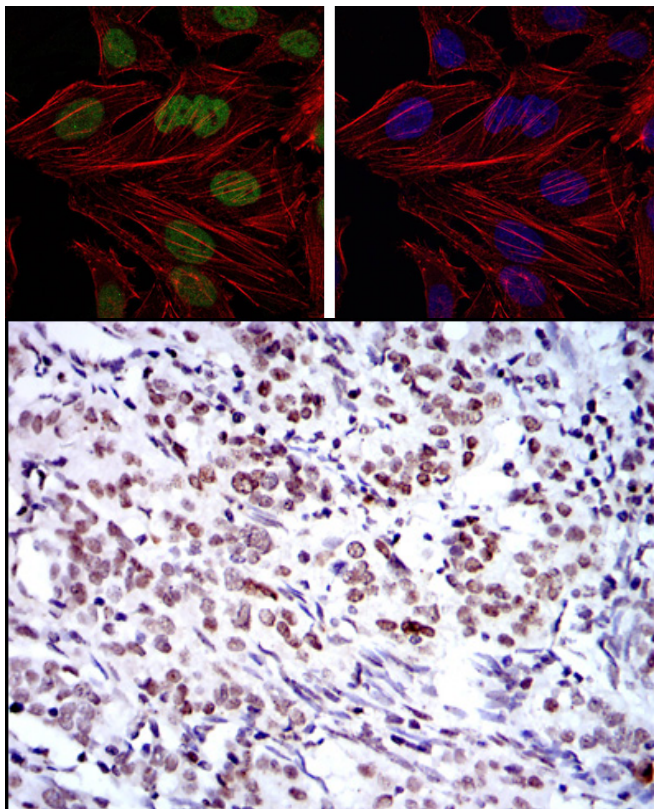
监督电话: 15950492658



Products Images



Western Blot analysis using Bmi-1 Monoclonal Antibody against HEK293 (1) and BMI1-hlgFc transfected HEK293 (2) cell lysate.



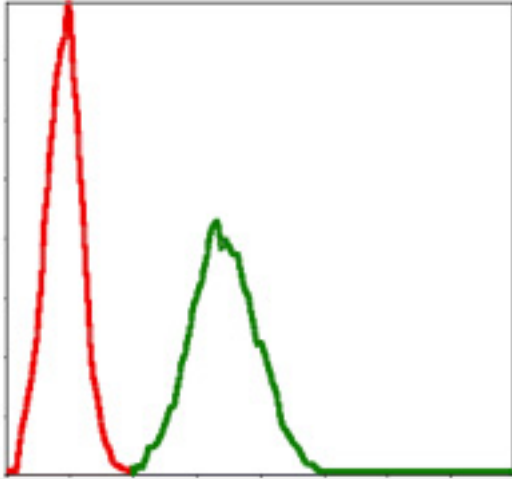
Immunohistochemistry analysis of paraffin-embedded cervical cancer tissues with DAB staining using Bmi-1 Monoclonal Antibody.

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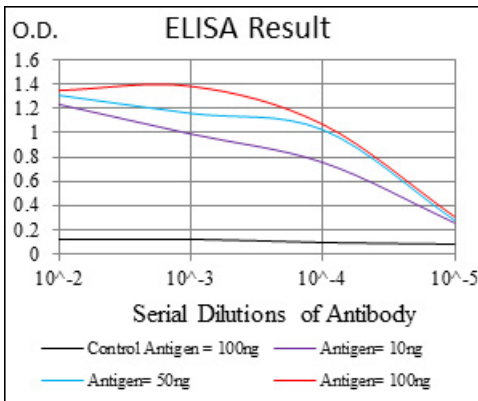
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Immunofluorescence analysis of HeLa cells using Bmi-1 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of NIH/3T3 cells using Bmi-1 Monoclonal Antibody (green) and negative control (red).