

Mouse anti-Human Bmi-1 Monoclonal Antibody | anti-Bmi-1 antibody

Bmi-1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319971	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

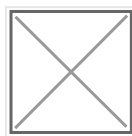
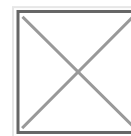
Bmi-1; Monoclonal Antibody; Bmi-1 Monoclonal Antibody; Polycomb complex protein BMI-1; BMI1; PCGF4; RNF51; Polycomb group RING finger protein 4; RING finger protein 51; anti-Bmi-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Bmi-1 Monoclonal Antibody detects endogenous levels of Bmi-1 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-Bmi-1 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human Bmi-1 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

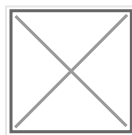
IMAGES

Application Data



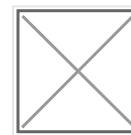
FCM/FACS (Flow Cytometry)

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



IF (Immunofluorescence)

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.



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-Bmi-1 antibody	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]
Product Categories/Family for anti-Bmi-1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27883842
NCBI GeneID	648
NCBI Accession #	NP_005171.4
NCBI GenBank Nucleotide #	NM_005180.8
UniProt Accession #	P35226; Q16030; Q5T8Z3; Q96F37
Molecular Weight	36,949 Da
NCBI Official Full Name	polycomb complex protein BMI-1
NCBI Official Synonym Full Names	BMI1 proto-oncogene, polycomb ring finger
NCBI Official Symbol	BMI1
NCBI Official Synonym Symbols	PCGF4; RNF51; FLVI2/BMI1
NCBI Protein Information	polycomb complex protein BMI-1; flvi-2/bmi-1; ring finger protein 51; polycomb group protein Bmi1; BMI1 polycomb ring finger oncogene; polycomb group RING finger protein 4; BMI1 polycomb ring finger proto-oncogene; B lymphoma Mo-MLV insertion region 1 hom
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.