

BMI1 polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11395**Specification**

BMI1 polyclonal antibody - Product Information

Application	E
Primary Accession	P35226
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36949

BMI1 polyclonal antibody - Additional Information**Gene ID** 100532731;648

Positive Control	ELISA: Peptides.
Application & Usage	ELISA: 1:300.
Other Names	
PCGF4, RNF51, FLV12	

Target/Specificity
BMI1**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
In PBS with 0.05% (W/V) sodium azide.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
BMI1 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.**BMI1 polyclonal antibody - Protein Information**

Name BMI1

Synonyms PCGF4, RNF51

Function

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 (PubMed:15386022, PubMed:16359901, PubMed:26151332, PubMed:16714294, PubMed:21772249, PubMed:25355358, PubMed:27827373). The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A (PubMed:21772249, PubMed:25355358). In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2 (PubMed:15386022, PubMed:26151332, PubMed:21772249).

Cellular Location

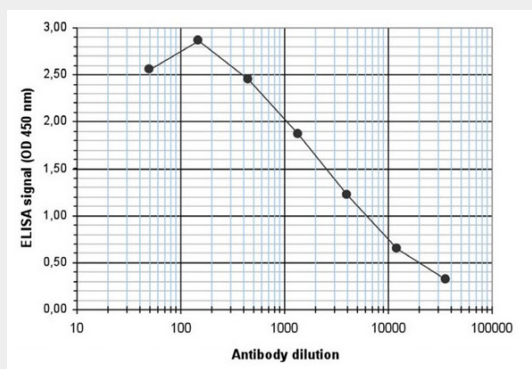
Nucleus. Cytoplasm

BMI1 polyclonal antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMI1 polyclonal antibody - Images



To determine the titer, an ELISA was performed using a serial dilution of the antibody. The wells were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:3100.

BMI1 polyclonal antibody - Background

BMI1 (B lymphoma Mo-MLV insertion region 1 homolog) is a core component of the polycomb group (PcG) multiprotein PRC1 complex which plays an important role in transcriptional repression of gene expression during development. BMI1 association with RING protein 1B is important to the E3 ligase activity of RING1B in the PRC1 complex. BMI1 is an oncogene whose overexpression is associated with many types of human tumors and is a stem-cell marker and regulator of stem cell self-renewal.