


Product datasheet

Anti-Bmi1 antibody ab38295

★★★★★ [5 Abreviews](#) [38 References](#) [3 Images](#)

Overview

Product name	Anti-Bmi1 antibody
Description	Rabbit polyclonal to Bmi1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-Fr, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Chicken, Cow 
Immunogen	Synthetic peptide corresponding to 15 amino acids near the center of human Bmi1.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab38295 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
WB	★★★★★ (2)	Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 37 kDa.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IP	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 20083111

Target

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.

Sequence similarities

Contains 1 RING-type zinc finger.

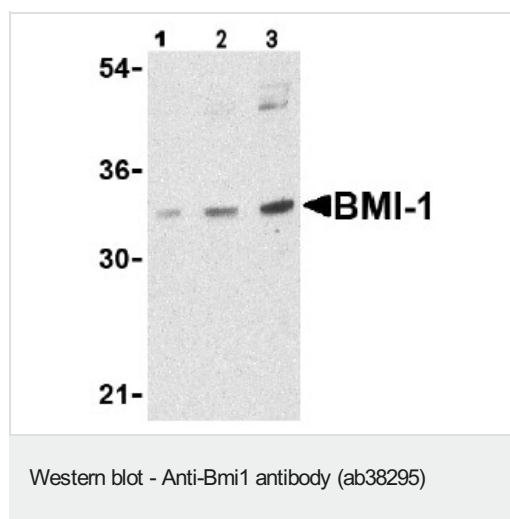
Post-translational modifications

Monoubiquitinated (By similarity). May be polyubiquitinated; which does not lead to proteasomal degradation.

Cellular localization

Nucleus. Cytoplasm.

Images



Lane 1 : Anti-Bmi1 antibody (ab38295) at 0.5 µg/ml

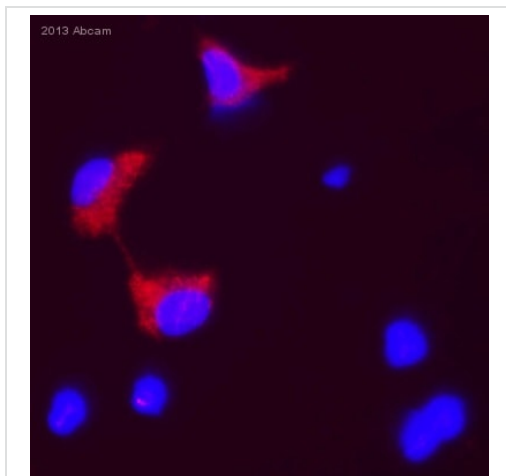
Lane 2 : Anti-Bmi1 antibody (ab38295) at 1 µg/ml

Lane 3 : Anti-Bmi1 antibody (ab38295) at 2 µg/ml

All lanes : K562 cell lysate

Predicted band size: 37 kDa

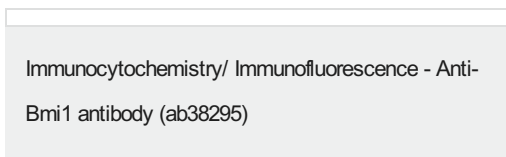
Observed band size: 33 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Bmi1 antibody (ab38295)

This image is courtesy of an anonymous Abreview

ab38295 staining Bmi1 in Rat fibroblast cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.01% Triton X-100 and blocked with 2.5% Goat serum for 10 minutes at 25°C. Samples were incubated with primary antibody (1/300) for 2 hour at 25°C. An Alexa Fluor® 555-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Bmi1 antibody (ab38295)

Immunofluorescence of BMI-1 in K562 cells using ab38295 at 20 ug/ml.

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