

# **Product datasheet**

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ARG55885 anti-Bmi 1 antibody

Package: 50 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes Bmi 1

Tested Reactivity Hu, Ms

Tested Application ICC/IF, WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name Bmi 1

Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 281-314 (C-terminus) of Human Bmi 1.

Conjugation Un-conjugated

Alternate Names Polycomb complex protein BMI-1; RING finger protein 51; Polycomb group RING finger protein 4

## **Application Instructions**

Application table	Application	Dilution
	ICC/IF	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### **Properties**

Form	Liquid
Purification	Affinity purification with immunogen.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Note

Gene Symbol	COMMD3-BMI1
Gene Full Name	COMMD3-BMI1 readthrough
Background	This locus represents naturally occurring read-through transcription between the neighboring COMM

domain-containing protein 3 and polycomb complex protein BMI-1 genes on chromosome 10. The read-through transcript produces a fusion protein that shares sequence identity with each individual gene

product. [provided by RefSeq, Feb 2011]

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. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of

RNF2/RING2. [UniProt]

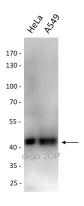
Calculated Mw 37 kDa

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

degradation.

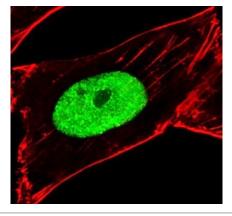
Cellular Localization Nucleus. Cytoplasm.

#### **Images**



#### ARG55885 anti-Bmi 1 antibody WB image

Western blot:  $30 \mu g$  of HeLa and A549 cell lysates stained with ARG55885 anti-Bmi 1 antibody at 1:1000 dilution.



### ARG55885 anti-Bmi 1 antibody ICC/IF image

Immunofluorescence: 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa cells stained with ARG55885 anti-Bmi 1 antibody at 1:25 dilution (green). Cytoplasmic actin is detected with Alexa Fluor® 555 conjugated with Phalloidin (red) at 1:100 dilution.