10320 Camino Santa Fe, Suite G
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BMI-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10718

Specification

BMI-1 Antibody - Product Information

Application	**WB**
Primary Accession	B4F7B6
Other Accession	NP_001100838
Reactivity	**Human, Mouse, Rat, Bovine, Dog, Cat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

BMI-1 Antibody - Additional Information

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~34 kDa of Bmi-1 in Jurkat cell lysate and rat kidney tissue lysate. Reactivity to other species has not been tested.**

Target/Specificity
Bmi1 protein

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
BMI-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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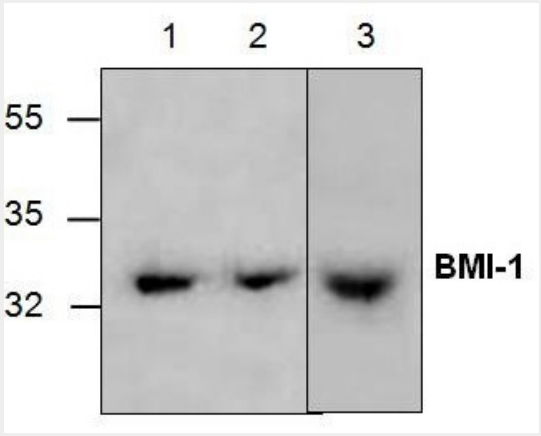
BMI-1 Antibody - Protein Information

BMI-1 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 Cytomety
- Cell Culture

BMI-1 Antibody - Images



Western blot analysis of Bmi-1 expression in lysate from Jurkat cells (Lane 1&2) and rat kidney (Lane 3).

BMI-1 Antibody - Background

Polycomb group (PcG) genes encode chromatin proteins that are involved in the maintenance of cellular memory thro µgh epigenetic chromatin modifications. Bmi-1 has been identified among the PcG genes as a potent oncogene that plays an important role in the regulation of cell proliferation by suppressing the p16-dependant pathway. Bmi-1 may be use as a therapeutic target for studying stem cell proliferation and renewal.