BMI1 (Oncogene and Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone BMI1/2823]

Catalog No	Format	Size
648-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
648-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
648-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

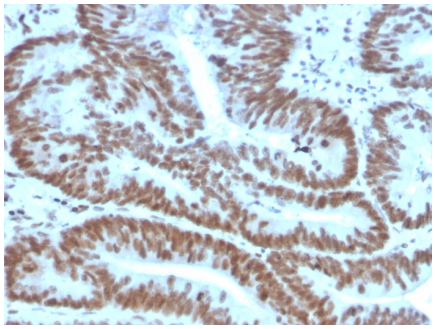
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

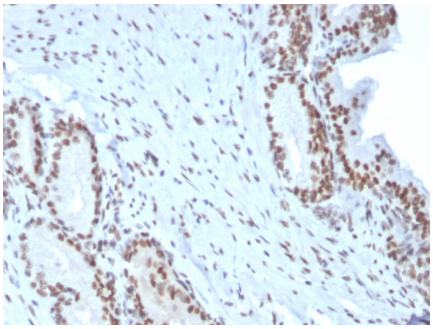
Clone	BMI1/2823
Gene Name	BMI1
Immunogen	Recombinant fragment (around aa 142-326) of human BMI1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~41kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human, Mouse
Positive Control	HeLa or Jurkat cells. Colon Carcinoma.

**Optimal dilution for a specific application should be determined.*

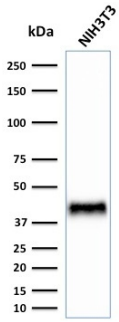
Product Images for BMI1 (Oncogene and Stem Cell Marker) Antibody



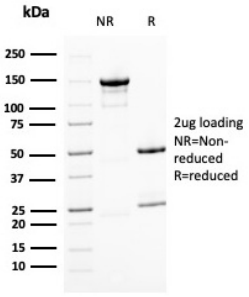
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with BMI1 Mouse Monoclonal Antibody (BMI1/2823).



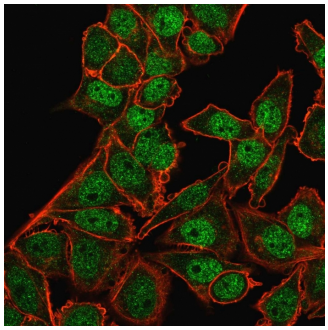
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with BMI1 Mouse Monoclonal Antibody (BMI1/2823).



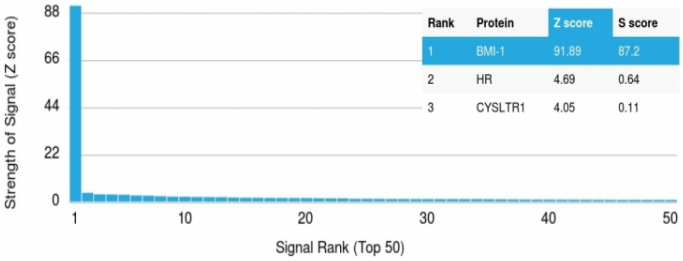
Western Blot Analysis of Human NIH3T3 cell lysate using BMI1 Mouse Monoclonal Antibody (BMI1/2823).



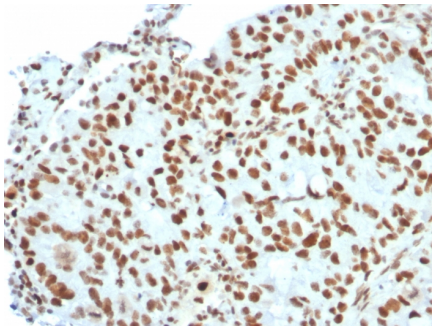
SDS-PAGE Analysis Purified BMI1 Mouse Monoclonal Antibody (BMI1/2823). Confirmation of Integrity and Purity of Antibody.



Immunofluorescence Analysis of PFA-fixed HeLa cells labeling BMI1 with BMI1 Mouse Monoclonal Antibody (BMI1/2823) followed by Goat anti-Mouse IgG-CF488 (Green). Membrane is labeled with Phalloidin.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing BMI1 Mouse Monoclonal Antibody (BMI1/2823) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD?s) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD?s) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with BMI1Mouse Monoclonal Antibody (BMI1/2823).

Specificity & Comments

The B cell-specific moloney murine leukemia virus integration site 1 (Bmi-1) is a transcriptional receptor of the polycomb gene family involved in several cellular processes including cell-cycle regulation, apoptosis, and maintenance of adult and neoplastic stem cells by providing self-renewal capacity. Further, Bmi-1 expression has been associated with malignant transformation, tumor progression, metastatic disease, and poor prognosis in human malignancies.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Neural Stem Cells, Signal Transduction, Stem Cell Differentiation, Transcription Factors

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Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.