

BMI1 (Oncogene and Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone BMI1/2689]

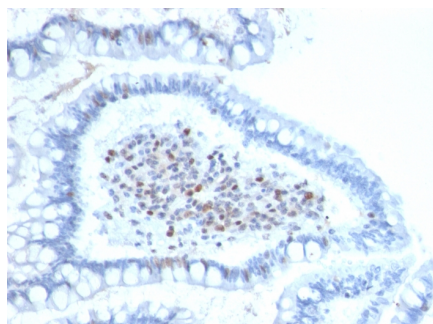
Catalog No	Format	Size
648-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
648-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
648-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

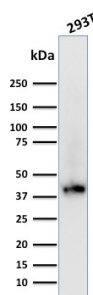
Product Details	
Clone	BMI1/2689
Gene Name	BMI1
Immunogen	Recombinant fragment of human BMI1 protein (around aa 142-326) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~41kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	293T, HeLa or Jurkat cells. Colon Carcinoma., NIH3T3

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

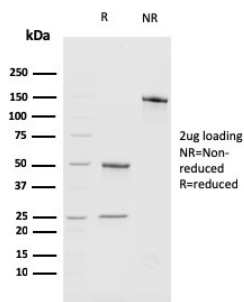
Product Images for BMI1 (Oncogene and Stem Cell Marker) Antibody



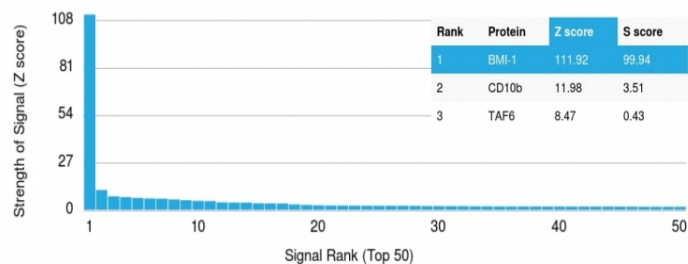
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689).



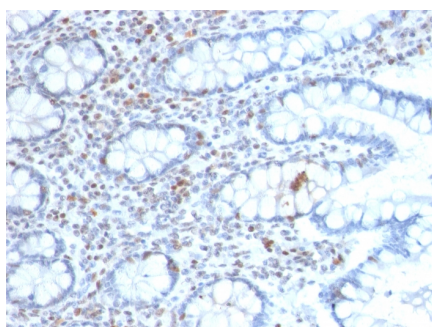
Western Blot Analysis of Human 293T cell lysate using BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689).



SDS-PAGE Analysis of Purified BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689) 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 HuProt™ 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 HuProt™ 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 be 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 Colon Carcinoma stained with BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689).

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.

Research Areas

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

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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) | Optimal dilution for a specific application should be determined.

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.

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.