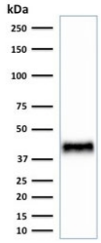
BMI1 Antibody [clone BMI1/2823] (V8080)

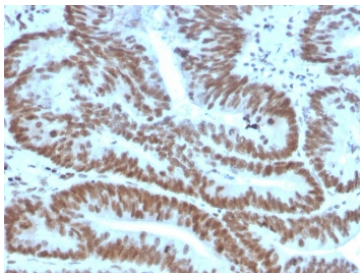
Catalog No.	Formulation	Size
V8080-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8080-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8080SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

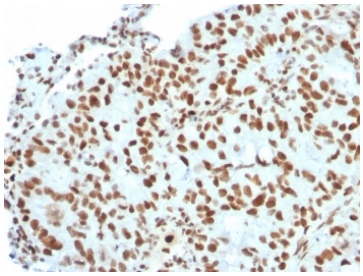
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BMI1/2823
Purity	Protein G affinity chromatography
UniProt	P35226
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This BMI1 antibody is available for research use only.



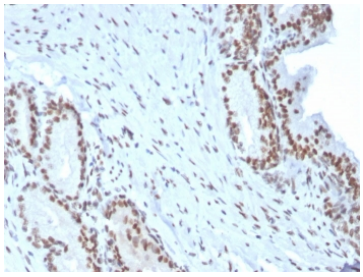
Western blot testing of mouse NIH3T3 cell lysate with BMI1 antibody. Predicted molecular weight: 37-43 kDa.



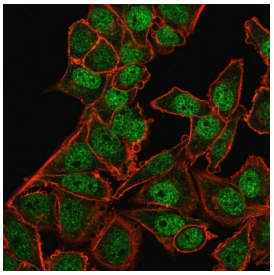
IHC staining of FFPE human colon carcinoma with BMI1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



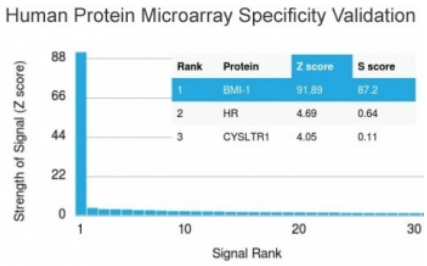
IHC staining of FFPE human breast carcinoma with BMI1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



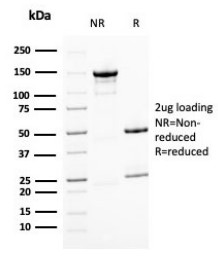
IHC staining of FFPE human prostate carcinoma with BMI1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of PFA-fixed human HeLa cells with BMI1 antibody (green) and Phalloidin (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using BMI1 antibody (clone BMI1/2823). These results demonstrate the foremost specificity of the BMI1/2823 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free BMI1 antibody as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the BMI1 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 142-326) was used as the immunogen for this BMI1 antibody.

Storage

Store the BMI1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com