

Datasheet for ABIN6940580
anti-BMI1 antibody (AA 142-326)

5 Images

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Overview

Quantity:	100 µg
Target:	BMI1
Binding Specificity:	AA 142-326
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human BMI1 protein (around aa 142-326) (exact sequence is proprietary)
Clone:	BMI1-2689
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	BMI1
Alternative Name:	BMI1 (BMI1 Products)
Background:	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-

Target Details

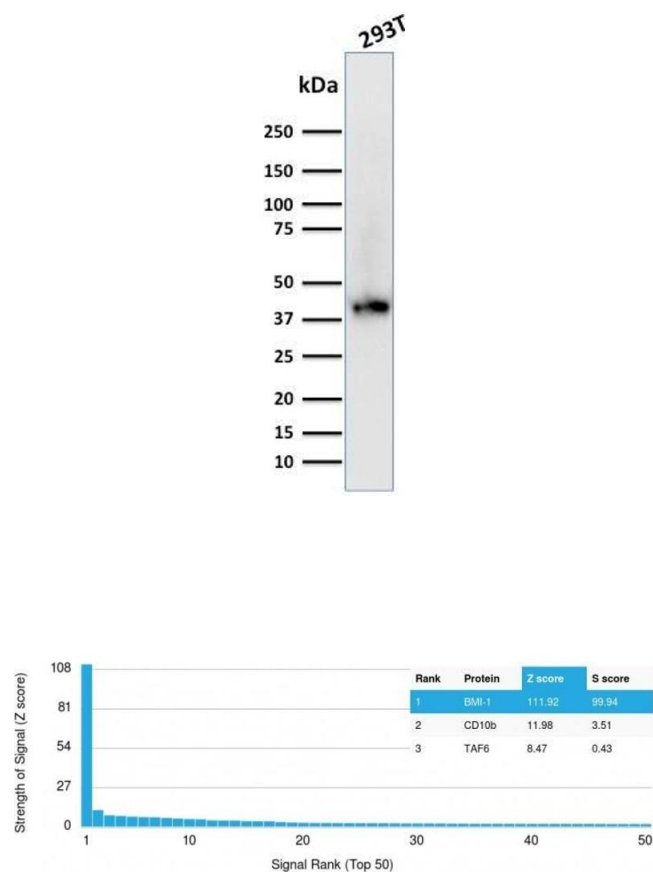
	renewal capacity. Further, Bmi-1 expression has been associated with malignant transformation, tumor progression, metastatic disease, and poor prognosis in human malignancies.
Molecular Weight:	41kDa
Gene ID:	648
UniProt:	P35226
Pathways:	Cell Division Cycle, Autophagy

Application Details

Application Notes:	Positive Control: 293T, NIH3T3, HeLa or Jurkat cells. Colon Carcinoma. Known Application: Western Blot (1-2 µg/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months

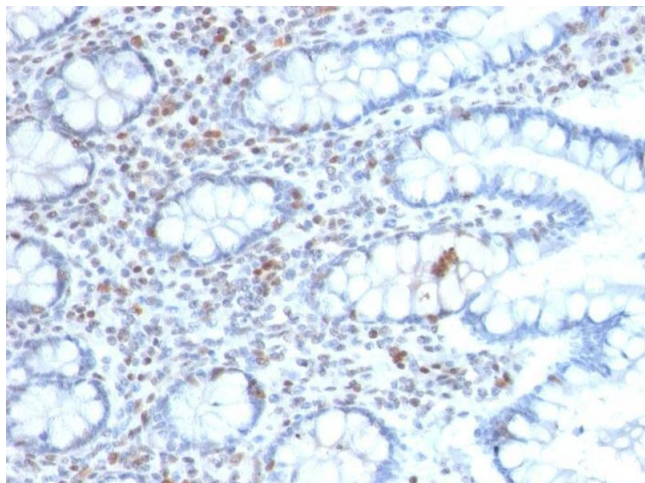


Western Blotting

Image 1. Western Blot Analysis of Human 293T cell lysate using BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689).

Protein Array

Image 2. 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 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with BMI1-Monospecific Mouse Monoclonal Antibody (BMI1/2689).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940580.