abcam

Product datasheet

Anti-Bmi1 antibody [BMI1/2823] ab269678

敲除 验证

3 References   7 图像

概述

产品名称	Anti-Bmi1抗体[BMI1/2823]
描述	小鼠单克隆抗体[BMI1/2823] to Bmi1
宿主	Mouse
经测试应用	**适用于:** IHC-P, WB, ICC/IF, Protein Array
种属反应性	**与反应:** Mouse, Human
免疫原	Recombinant fragment within Human Bmi1 aa 142-326. The exact sequence is proprietary. Database link: **P35226**
阳性对照	WB: MCF7, A431, HEK-293T and NIH/3T3 cell lysate. IHC-P: Human breast carcinoma, colon carcinoma and prostate carcinoma tissue. ICC/IF: HeLa cells.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
纯度	Protein A/G purified
纯化说明	Purified from bioreactor concentrate.
克隆	单克隆
克隆编号	BMI1/2823

同种型	IgG1
轻链类型	kappa

应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**;实际**最佳的稀释度**/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 36 kDa.
ICC/IF		Use a concentration of 1 - 2 µg/ml.
Protein Array		Use at an assay dependent concentration.

靶标

功能	Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of RNF2/RING2.
序列相似性	Contains 1 RING-type zinc finger.
翻译后修饰	Monoubiquitinated (By similarity). May be polyubiquitinated; which does not lead to proteasomal degradation.
细胞定位	Nucleus. Cytoplasm.

图片
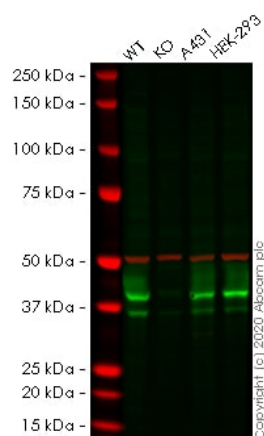
Western blot - Anti-Bmi1 antibody [BMI1/2823]
(ab269678)

All lanes : Anti-Bmi1 antibody [BMI1/2823] (ab269678)

Lane 1 : Wild-type MCF7 cell lysate

Lane 2 : BMI1 knockout MCF7 cell lysate

Lane 3 : A431 cell lysate

**Lane 4 :** HEK-293 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 36 kDa
Observed band size: 36 kDa

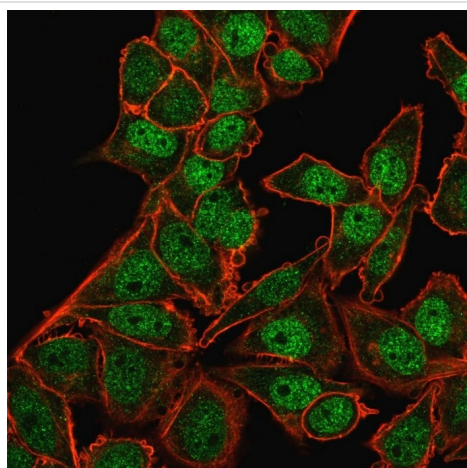**Lanes 1- 4:** Merged signal (red and green). Green - ab269678 observed at 36 kDa. Red - Anti-alpha Tubulin antibody [EP1332Y] - Microtubule Marker (**ab52866**) observed at 50 kDa.

 ab269678 was shown to react with Bmi1 in wild-type MCF7 cells in western blot. Loss of signal was observed when knockout cell line **ab262319** (knockout cell lysate **ab256851**) was used. Wild-type MCF7 and BMI1 knockout MCF7 cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab269678 and Anti-alpha Tubulin antibody [EP1332Y] - Microtubule Marker (**ab52866**) overnight at 4°C at a 2 µg/ml and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye®800CW) preadsorbed (**ab216772**) and Goat Anti-Rabbit IgG H&L (IRDye®680RD) preadsorbed (**ab216777**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.
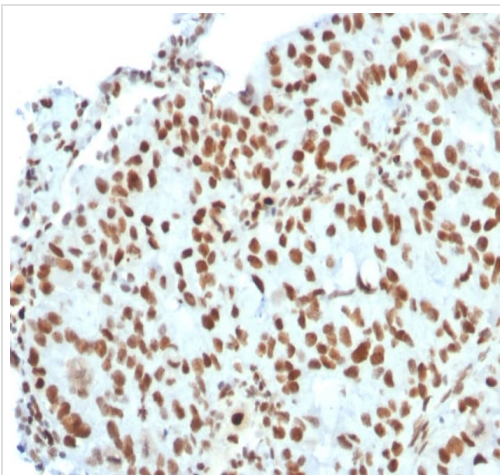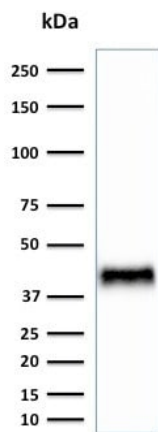
Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for Bmi1 using ab269678 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bmi1 antibody [BMI1/2823] (ab269678)


PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Bmi1 using ab269678 at 2 µg/ml in ICC/IF. The secondary antibody is a Goat anti-mouse IgG-CF488 conjugate (Green). The membrane is stained with Phalloidin (Red).

Immunocytochemistry/ Immunofluorescence - Anti-Bmi1 antibody [BMI1/2823] (ab269678)

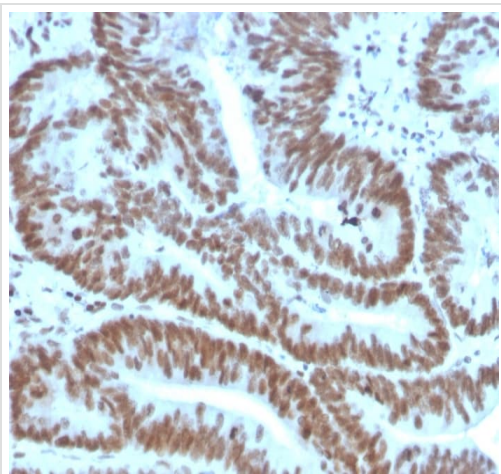Western blot - Anti-Bmi1 antibody [BMI1/2823] (ab269678)

Anti-Bmi1 antibody [BMI1/2823] (ab269678) at 2 µg/ml + NIH/3T3 (mouse embryo fibroblast cell line) cell lysate

Predicted band size: 36 kDa
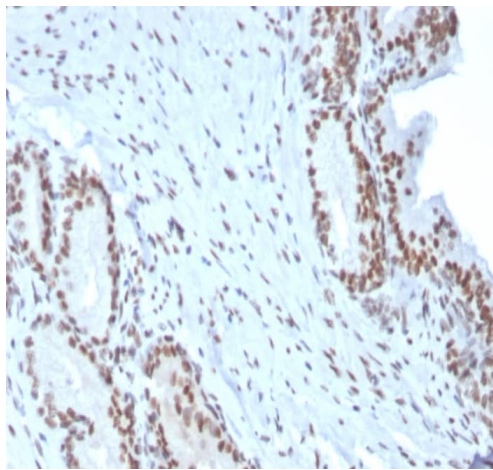
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bmi1 antibody [BMI1/2823] (ab269678)

Formalin-fixed, paraffin-embedded human prostate carcinoma tissue stained for Bmi1 using ab269678 at 2 µg/ml in immunohistochemical analysis.
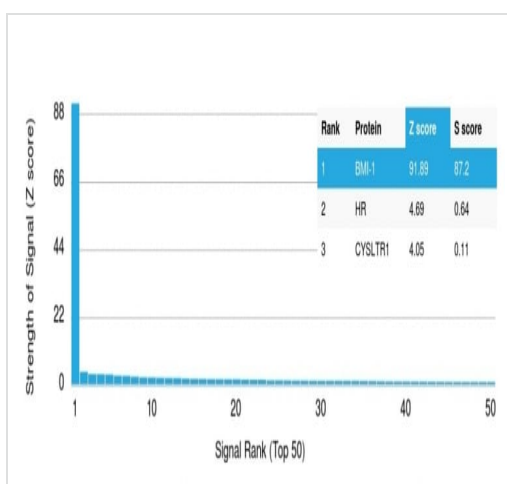
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bmi1 antibody [BMI1/2823] (ab269678)

Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for Bmi1 using ab269678 at 2 µg/ml in immunohistochemical analysis.

Protein Array - Anti-Bmi1 antibody [BMI1/2823] (ab269678)

Analysis of Protein Array containing more than 19,000 full-length human proteins using ab269678.

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^{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 targets on 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-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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors