

BMI1 (Oncogene and Stem Cell Marker); Clone BMI1/2690 (Concentrate)

Availability/Contents:

<u>Item #</u>	<u>Volume</u>
RA0752-C.1	0.1 ml
RA0752-C.5	0.5 ml
RA0752-C1	1 ml

Description:

Species:	Mouse
Immunogen:	Recombinant fragment (around aa 142-326) of human BMI1 protein (exact sequence is proprietary)
Clone:	BMI1/2690
Isotype:	IgG2a / Kappa
Entrez Gene ID:	648
Hu Chromosome Loc.:	10p12.2.3
Synonyms:	Polycomb complex protein BMI-1, Polycomb group RING finger protein 4, RING finger protein 51, B lymphoma Mo MLV insertion region 1 homolog; BMI1; BMI1 polycomb ring finger oncogene; FLV12/BMI1; Oncogene BMI1; PCGF4; Polycomb complex protein BMI-1; Polycomb group ring finger 4; RING finger protein 51; RNF51
Mol. Weight of Antigen:	~41kDa
Format:	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	Recognizes a protein of ~41kDa, identified as BMI1.
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-renewal capacity. Further, Bmi-1 expression has been associated with malignant transformation, tumor progression, metastatic disease, and poor prognosis in human malignancies.
Species Reactivity:	Human
Positive Control:	HeLa or Jurkat cells. Colon Carcinoma.
Cellular Localization:	Cytoplasm, Nucleus
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1-2µg/ml
Microbiological State:	This product is not sterile.

 Storage: 2° C  8° C


 ScyTek Laboratories, Inc.
 205 South 600 West
 Logan, UT 84321
 U.S.A.

Instructions For Use RA0752-C-IFU-RUO

Rev. Date: Oct 3, 2025

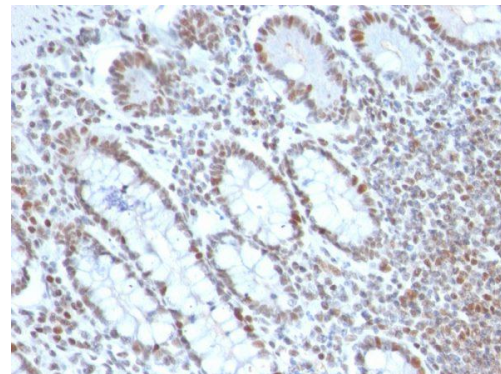
Revision: 1

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Uses/Limitations:

- Not to be taken internally.
- For Research Use Only.
- This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- Do not use if reagent becomes cloudy.
- Do not use past expiration date.
- Non-Sterile.



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with BMI1 Mouse Monoclonal Antibody (BMI1/2690).

Ordering Information and Current Pricing at www.scytek.com

Procedure:

- Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Tris-EDTA Solution (10x) pH 9.0 (ScyTek catalog# TES500) or Citrate Plus (10x) HIER Solution (ScyTek catalog# CPL500).
- Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- Visualization:** For maximum staining intensity we recommend the "UltraTek HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# UHP125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

- Contains Sodium Azide as a preservative (0.09% w/v).
- Do not pipette by mouth.
- Avoid contact of reagents and specimens with skin and mucous membranes.
- Avoid microbial contamination of reagents or increased nonspecific staining may occur.
- This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

- Park IK, Morrison SJ, Clarke MF. Bmi1, stem cells, and senescence regulation. J Clin Invest 2004; 113:175-179.

Warranty:

No products or "Instructions For Use (IFU)" are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C  8° C



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