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## Recombinant anti-BMI1 antibody

3 Images



#### Overview

Quantity:	100 μL
Target:	BMI1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This BMI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	A synthesized peptide derived from human Bmi1
Clone:	1F2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

### Target Details

Target:	BMI1
Alternative Name:	BMI1 (BMI1 Products)
Background:	Background: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a

#### Target Details

complex class 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. Aliases: Polycomb complex protein BMI-1 (Polycomb group RING finger protein 4) (RING finger protein 51), BMI1, PCGF4 RNF51

UniProt:

P35226

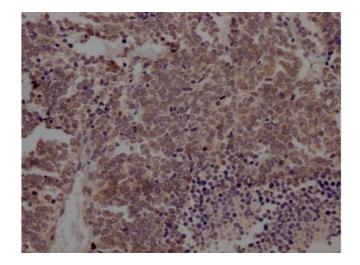
Pathways:

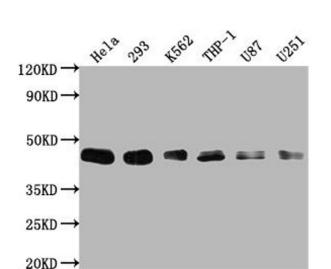
Cell Division Cycle, Autophagy

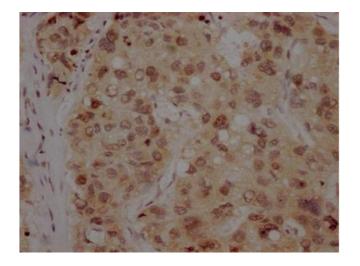
#### **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200,
Restrictions:	For Research Use only

Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.







#### **Immunohistochemistry**

Image 1. IHC image of ABIN7127369 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

#### **Western Blotting**

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, THP-1 whole cell lysate, U87 whole cell lysate, U251 whole cell lysate All lanes: BMI1 antibody at 1:2000 Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 37 kDa Observed band size: 45 kDa

#### **Immunohistochemistry**

**Image 3.** IHC image of ABIN7127369 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.