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anti-BMI1 antibody (Internal Region)

3 Images



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Overview	
Quantity:	100 μL
Target:	BMI1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
lmmunogen:	A synthesized peptide derived from human BMI1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	BMI1 Antibody detects endogenous levels of total BMI1.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	BMI1

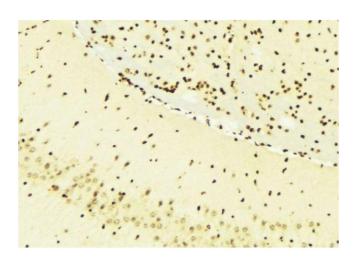
Target Details

Alternative Name:	BMI1 (BMI1 Products)
Background:	Description: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a 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 (PubMed:15386022, PubMed:16359901,
	PubMed:26151332, PubMed:16714294, PubMed:21772249, PubMed:25355358,
	PubMed:27827373). The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes,
	and has activity only with nucleosomal histone H2A (PubMed:21772249, PubMed:25355358).
	In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2
	(PubMed:15386022, PubMed:26151332, PubMed:21772249).
	Gene: BMI1
Molecular Weight:	37kDa
Gene ID:	100532731, 648
UniProt:	P35226
Pathways:	Cell Division Cycle, Autophagy
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date:

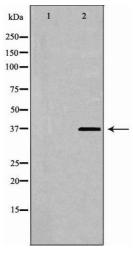
12 months

Images



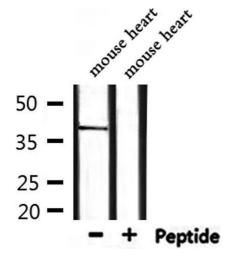
Immunohistochemistry

Image 1. ABIN6276295 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

Image 2. Western blot analysis of extracts of K562 using BMI1 antibody. The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 3. Western blot analysis of extracts from mouse heart, using BMI1 Antibody.