Anti-BMI1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R012330

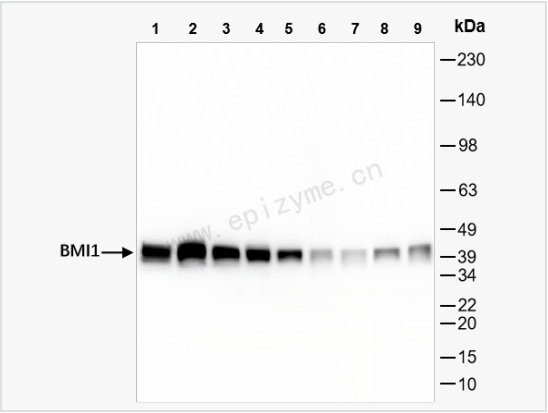
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	76M96L36
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Bmi1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-BMI1 Rabbit mAb [76M96L36] is for research use only and not for use in diagnostic or therapeutic procedures.

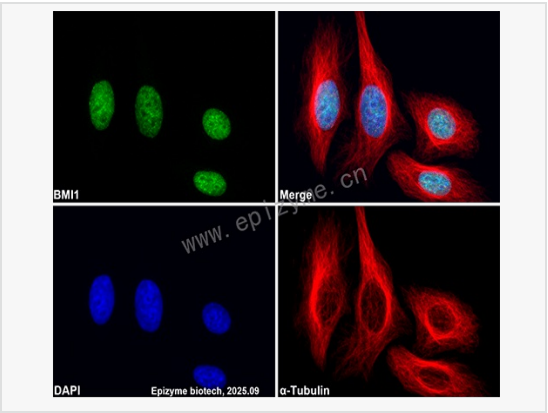
Protein Information

Synonyms	PCGF4; RNF51; BMI1; Polycomb complex protein BMI-1; Polycomb group RING finger protein 4; RING finger protein 51.
Calculated MW	Calculated MW: 37 kDa; Observed MW: 43 kDa
Uniprot ID	P35226
Gene ID	100532731, 648
Background	This locus represents naturally occurring read-through transcription between the neighboring COMM domain-containing protein 3 and polycomb complex protein BMI-1 genes on chromosome 10. The read-through transcript produces a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Feb 2011]
Cellular Location	Nucleus.Cytoplasm.

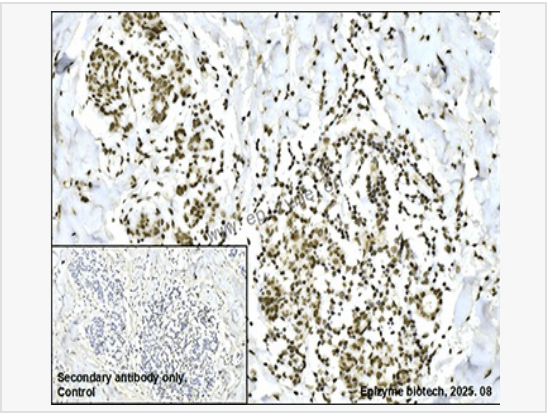
Validation Images



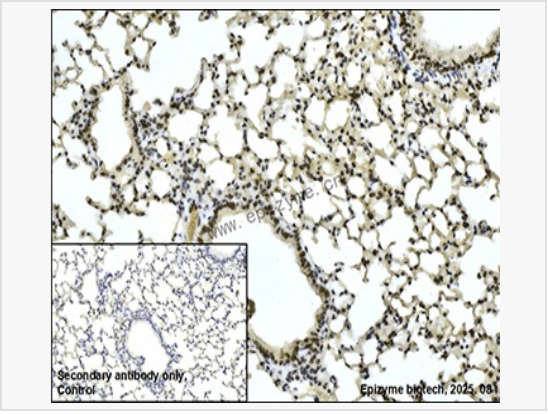
Western Blot - Anti-BMI1 Rabbit mAb [76M96L36]
All lanes: R012330 at 1:1,000 dilution
Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 4: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 6: Mouse spleen whole tissue lysates
Lane 7: Mouse embryo-like whole tissue lysates
Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 9: Rat lymphoid whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 37 kDa
Observed band size: 43 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-BMI1 Rabbit mAb [76M96L36]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R012330 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-BMI1 Rabbit mAb [76M96L36]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012330 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-BMI1 Rabbit mAb [76M96L36]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012330 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.