

## BMI1 Polyclonal Antibody

Catalog number: 10832-1-AP

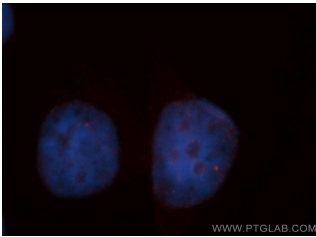
Size: 40 µg/150 µl

Source: Rabbit

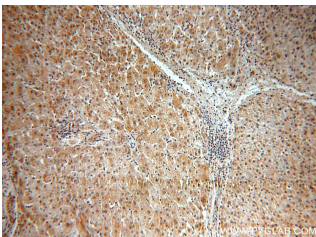
Isotype: IgG

Synonyms:

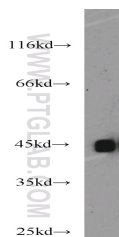
BMI1; BMI1, PCGF4, Polycomb complex protein BMI 1, RING finger protein 51, RNF51



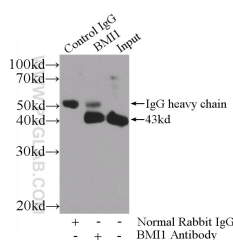
Immunofluorescent analysis of HepG2 cells, using 10832-1-AP and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human liver cancer using 10832-1-AP (BMI1 antibody) at dilution of 1:50 (under 10x lens)



U-937 cells were subjected to SDS PAGE followed by western blot with 10832-1-AP (BMI1 antibody) at dilution of 1:1000



IP Result of anti-BMI1  
(IP:10832-1-AP, 4µg;

### Background

BMI- 1 is one of polycomb group genes, which together with Ring1 strongly enhances the E3 ubiquitin ligase activity of the Ring2 catalytic subunit. Bmi1 plays an important role in the regulation of cell proliferation and senescence through repression of the p16Ink4a and p19Arf genes and is required for maintenance of adult hematopoietic and neural stem cells. The antibody 10832-1-AP detected proteins of 45-48kda, which may include phosphorylated isoforms of the protein.

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	ChIP, CoIP, IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated BMI1 MW:	37 kDa
Observed BMI1 MW:	43-45 kDa
Positive WB detected in	U-937 cells, K-562 cells, mouse brain tissue
Positive IP detected in	U-937 cells
Positive IHC detected in	Human liver cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1286
GenBank accession number:	BC011652
Gene ID (NCBI):	648
Full name:	BMI1 polycomb ring finger oncogene

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:10832-1-AP 1:500)  
with U-937 cells lysate  
4000ug.