

For Research Use Only

# BMI1 Polyclonal antibody

Catalog Number:10832-1-AP

Featured Product

39 Publications



## Basic Information

**Catalog Number:**

10832-1-AP

**Concentration:**

400 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1286

**GenBank Accession Number:**

BC011652

**GeneID (NCBI):**

648

**UNIPROT ID:**

P35226

**Full Name:**

BMI1 polycomb ring finger oncogene

**Calculated MW:**

37 kDa

**Observed MW:**

37-43 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:300-1:1200

## Applications

**Tested Applications:**

WB, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP, ChIP

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

WB : HT-29 cells, HEK-293 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IP : HT-29 cells,

IF/ICC : MCF-7 cells,

## Background Information

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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chenlong Li	31558707	Cell Death Dis	WB
Hongbo Wang	33014838	Front Oncol	WB,IHC
Jin-Yan Liu	36285479	Cancer Sci	WB,IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

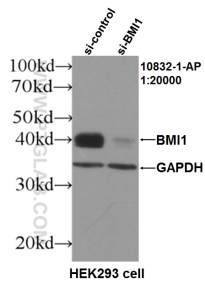
T: 4006900926

E: Proteintech-CN@ptglab.com

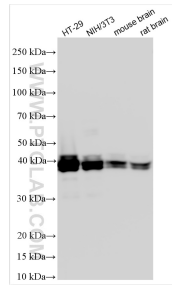
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

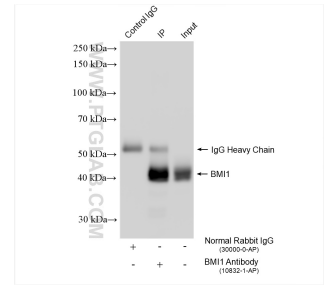
## Selected Validation Data



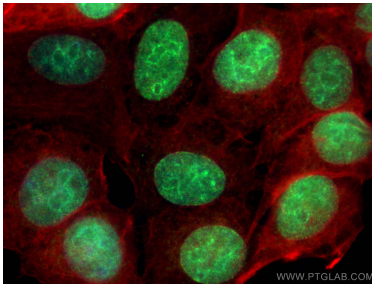
WB results of BMI antibody (10832-1-AP, 1:20000) with si-Control and si-BMI1 transfected HEK293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10832-1-AP (BMI1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



IP result of anti-BMI1 (IP:10832-1-AP, 4ug; Detection:10832-1-AP 1:3000) with HT-29 cells lysate 1760 ug.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using BMI1 antibody (10832-1-AP) at dilution of 1:600 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).