

For Research Use Only

BMI1 Polyclonal antibody

Catalog Number:10832-1-AP

Featured Product

39 Publications



Basic Information

Catalog Number:

10832-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

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. Bmi 1 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

*** 20ul sizes contain 0.1% BSA

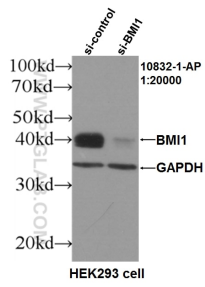
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

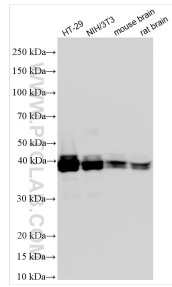
E: proteintech@ptglab.com
W: ptglab.com

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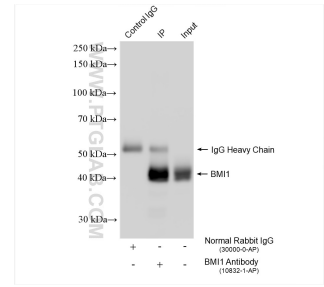
Selected Validation Data



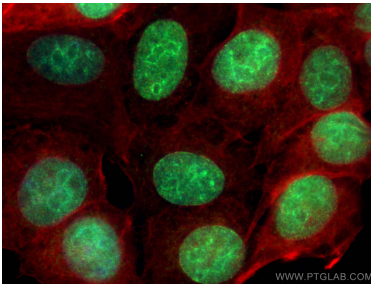
WB results of BMI antibody (10832-1-AP, 1:20000) with si-Control and si-BMI1 transfected HEK293 cells.



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).