

## Bmi1 antibody

Cat. No. GTX45791

|              |                                 |
|--------------|---------------------------------|
| Host         | Goat                            |
| Clonality    | Polyclonal                      |
| Isotype      | IgG                             |
| Applications | WB, ICC/IF, ELISA, Multiplexing |
| Reactivity   | Human                           |

## Package

50 µg

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:500-1:13000        |
| ICC/IF             | 1:200                |
| ELISA              | 1:5000-1:30000       |
| Multiplexing       | Assay dependent      |

Not tested in other applications.

**Calculated MW** 37 kDa. ( [Note](#) )

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | 20mM Potassium Phosphate, 150mM NaCl   |
| Preservative  | 0.01% Sodium azide   |
| Storage       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 0.91 mg/ml (Please refer to the vial label for the specific concentration.)  |
| Immunogen     | Synthetic peptide corresponding to amino acids 252-264 of human Bmi1 protein.  |
| Purification  | Purified by antigen-affinity chromatography.<br>From serum   |
| Conjugation   | Unconjugated   |



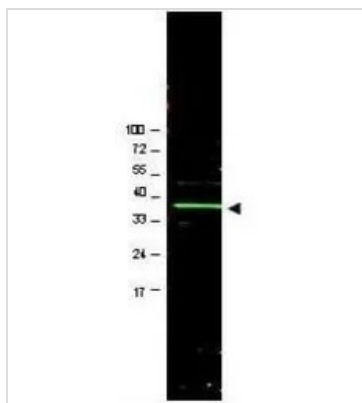
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## Note

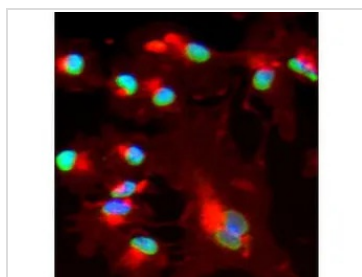
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## DATA IMAGES



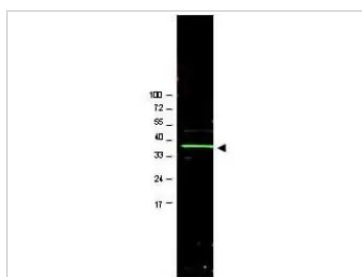
### GTx45791 WB Image

Western blot using GeneTex's Affinity Purified anti-Bmi1 antibody shows detection of a band ~37 kDa corresponding to human Bmi1 (arrowhead). Approximately 20 µg of a U2OS whole cell lysate was separated by 4-20% SDS-PAGE and transferred onto nitrocellulose. After blocking in PBS containing 5% nonfat dry milk, the membrane was probed overnight at 4° C with the primary antibody diluted to 1:1,000 in PBS containing 1% nonfat dry milk. The membrane was washed and reacted with a 1:20,000 dilution of IRDye800 conjugated rabbit anti-Goat IgG [H&L] for 45 min at room temperature. IRDye800 fluorescence image was captured using the OdysseyR Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



### GTx45791 ICC/IF Image

Immunofluorescence using affinity purified goat anti Bmi1(GTx45791) shows nuclear staining (green) of methanol fixed (100%, 5 min) HepG2 cells. The cells were blocked and permeabilized in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h prior to incubation with the primary antibody (1:200 dilution) overnight at +4°C and detected with a 488nm fluorescent dye conjugated secondary Ab. Cell nuclei are stained with DAPI (blue) and plasma membranes are stained with WGA (red).

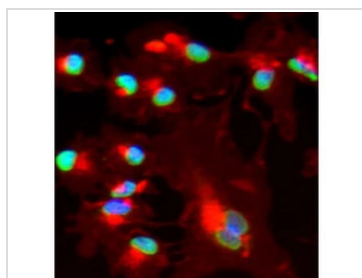


### GTx45791 WB Image

WB analysis of U2OS whole cell lysate using GTx45791 Bmi1 antibody.

Loading : 20 µg

Dilution : 1:1000



### GTx45791 ICC/IF Image

ICC/IF analysis of MeOH-fixed HepG2 cells using GTx45791 Bmi1 antibody.

Green : Primary antibody

Red : Wheat germ agglutinin

Blue : DAPI

Dilution : 1:200



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