Anti-TRIM33 Antibody

Catalog Number: *PB9836*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-TRIM33 Antibody
Gene Name	TRIM33
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human TIF1 gamma recombinant protein (Position: M1001-K1127). Human TIF1 gamma shares 96.1% amino acid (aa) sequence identity with mouse TIF1 gamma.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	150 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF) 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Tripartite motif-containing 33 (TRIM33), also known as transcriptional intermediary factor 1 gamma (TIF1-γ), is a human gene. The TRIM33 gene is mapped to chromosome 1p13 by FISH. The protein encoded by this gene is thought to be a transcriptional corepressor. However, molecules that interact with this protein have not yet been identified. The protein is a member of the tripartite motif family. This motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. Three alternatively spliced transcript variants for this gene have been described; however, the full-length nature of one variant has not been determined.

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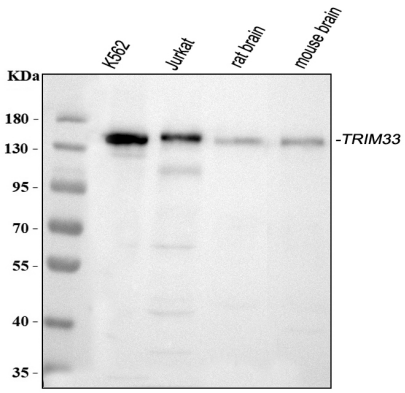
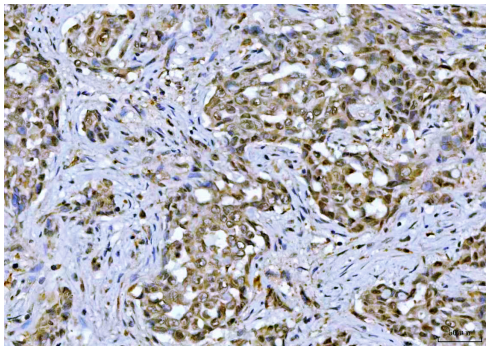
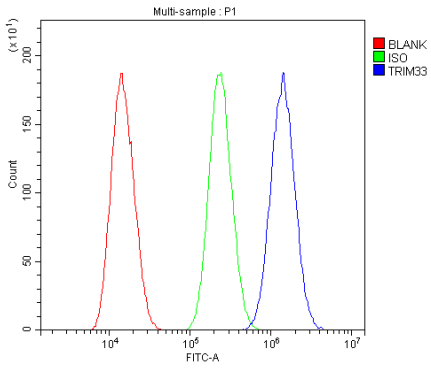
Selected Validation Data



Western blot analysis of TRIM33 using anti-TRIM33 antibody (PB9836). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: 22RV1 whole cell lysates,
Lane 2: SW620 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TRIM33 antigen affinity purified polyclonal antibody (PB9836) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TRIM33 at approximately 150 kDa. The expected band size for TRIM33 is at 123 kDa.



IHC analysis of TRIM33 using anti-TRIM33 antibody (PB9836). TRIM33 was detected in a paraffin-embedded section of human lung adenocarcinoma tissue. The tissue section was incubated with rabbit anti-TRIM33 Antibody (PB9836) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of U87 cells using anti-TRIM33 antibody (PB9836).
Overlay histogram showing U87 cells stained with PB9836 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRIM33 Antibody (PB9836) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary

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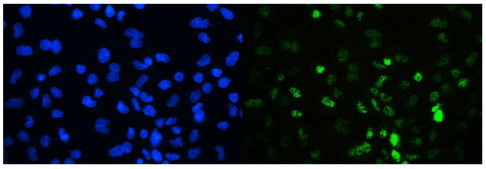
antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of TRIM33 using anti-TRIM33 antibody (PB9836). TRIM33 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-TRIM33 Antibody (PB9836) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).