

Basic Information

Product Name	Anti-TRIM33 Antibody (Clone#818)	
Gene Name	TRIM33	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG2b	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 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	protein G purified.	
Observed MW	150 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow Cytometry (Fixed):	1:50-200

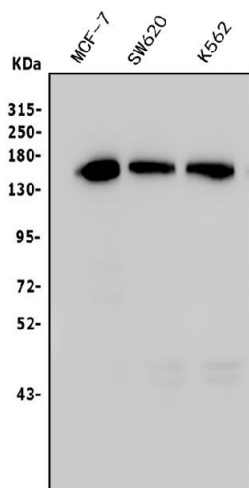
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C 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.

Selected Validation Data



Western blot analysis of TRIM33 using anti-TRIM33 antibody (M03133-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human MCF-7 whole cell lysates,

Lane 2: human SW620 whole cell lysates,

Lane 3: human K562 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with mouse anti-TRIM33

antigen affinity purified monoclonal antibody (M03133-2) at a

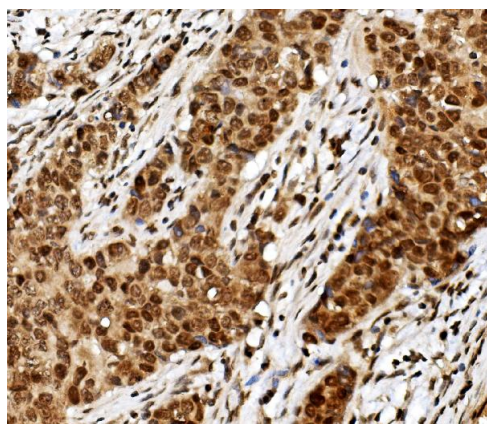
dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP

secondary antibody (Catalog # BA1050). 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 (M03133-2).

TRIM33 was detected in a paraffin-embedded section of human

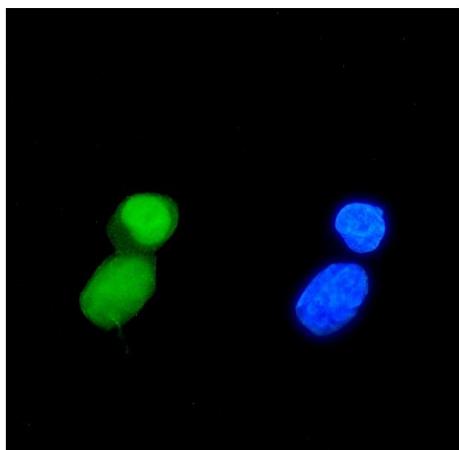
mammary cancer tissue. Biotinylated goat anti-mouse IgG was used

as secondary antibody. The tissue section was incubated with

mouse anti-TRIM33 Antibody (M03133-2) at a dilution of 1:200 and

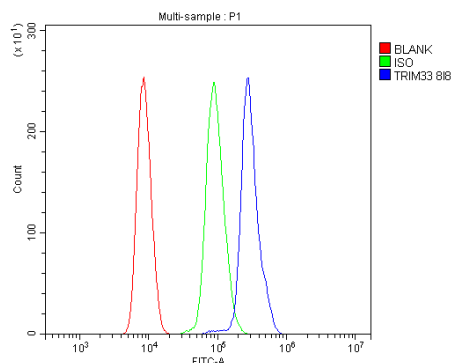
developed using Streptavidin-Biotin-Complex (SABC) (Catalog #

SA1021) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of TRIM33 using anti-TRIM33 antibody (M03133-2).

TRIM33 was detected in an immunocytochemical section of Hela cells. The section was incubated with mouse anti-TRIM33 Antibody (M03133-2) at a dilution of 1:100. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of HL-60 cells using anti-TRIM33 antibody (M03133-2).

Overlay histogram showing HL-60 cells stained with M03133-2 (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 mouse anti-TRIM33 Antibody (M03133-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.