Anti-TRIM29 Antibody [8C8G5]

EM1711-28

Product Type:	Mouse monoclonal IgG2a, primary antibodies
Species reactivity:	Human
Applications:	WB, ICC, FC
Molecular Wt:	65.8kDa
Clone number:	8C8G5

Description: The protein encoded by this gene belongs to the TRIM protein family. It has multiple zinc finger motifs and a leucine zipper motif. It has been proposed to form homo- or heterodimers which are involved in nucleic acid binding. Thus, it may act as a transcriptional regulatory factor involved in carcinogenesis and/or differentiation. It may also function in the suppression of radiosensitivity since it is associated with ataxia telangiectasia phenotype.

Immunogen: Purified recombinant fragment of human TRIM29 (AA: 451-588) expressed in E. Coli.

Positive control: Hela, HepG2, LOVO, and A431 cell Hela cells HL-60 cells

Subcellular location: Cytoplasm. Colocalizes with intermediate filaments.

Database links: SwissProt: Q14134 Human

Recommended Dilutions:

WB	1:500-1:2,000
ICC	1:50-1:200
FC	1:100-1:200

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4℃; -20℃ for long term storage.

Purity: Protein G affinity purified.

Images

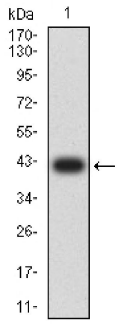

Fig1: Western blot analysis of TRIM29 against human TRIM29 (AA: 451-588) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1711-28, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

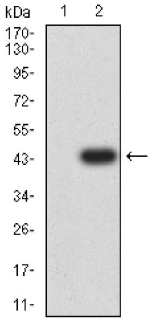

Fig2: Western blot analysis of EM1711-28 against HEK293 (1) and TRIM29 (AA: 451-588)-hIgGFc transfected HEK293 (2) cell lysate.Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1711-28, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

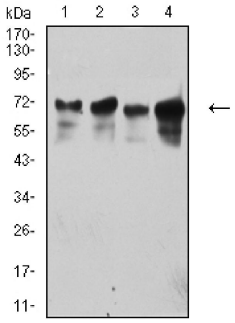

Fig3: Western blot analysis of EM1711-28 against Hela (1), HepG2 (2), LOVO (3), and A431 (4) cell lysate.Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1711-28, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

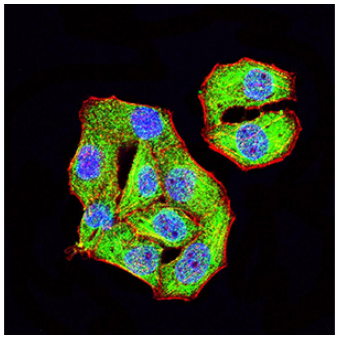

Fig4: Immunocytochemistry staining of TRIM29 in Hela cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (EM1711-28, 1/100) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue), Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

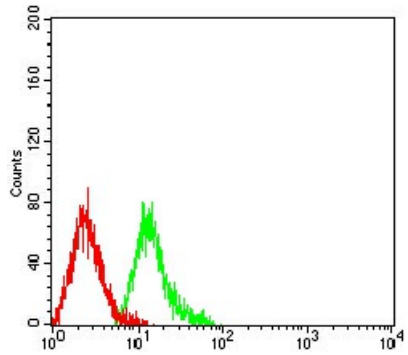

Fig5: Flow cytometric analysis of TRIM29 was done on HL-60 cells. The cells were fixed, permeabilized and stained with the primary antibody (EM1711-28, 1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).

Background References

1. Oncotarget. 2016 Mar 22;7(12):13634-50.
2. Dis Markers. 2014;2014:317817.