

Anti-TRIM29 Antibody

Catalog # AP96094

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q14134
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	65835

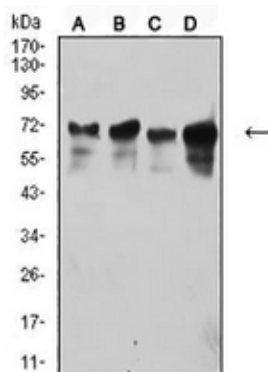
Additional Information

Gene ID	23650
Other Names	ATDC; Tripartite motif-containing protein 29; Ataxia telangiectasia group D-associated protein
Target/Specificity	Recombinant fusion protein of human TRIM29 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

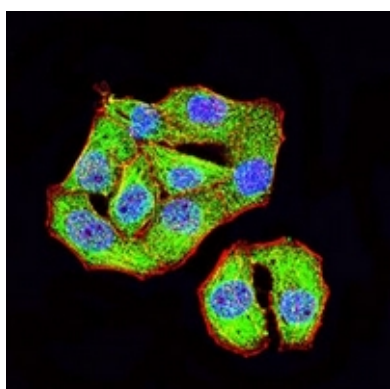
Protein Information

Name	TRIM29
Synonyms	ATDC
Function	Plays a crucial role in the regulation of macrophage activation in response to viral or bacterial infections within the respiratory tract. Mechanistically, TRIM29 interacts with IKBKG/NEMO in the lysosome where it induces its 'Lys-48' ubiquitination and subsequent degradation. In turn, the expression of type I interferons and the production of pro-inflammatory cytokines are inhibited. Additionally, induces the 'Lys-48' ubiquitination of STING1 in a similar way, leading to its degradation.
Cellular Location	Cytoplasm. Lysosome. Note=Colocalizes with intermediate filaments
Tissue Location	Expressed in placenta, prostate and thymus.

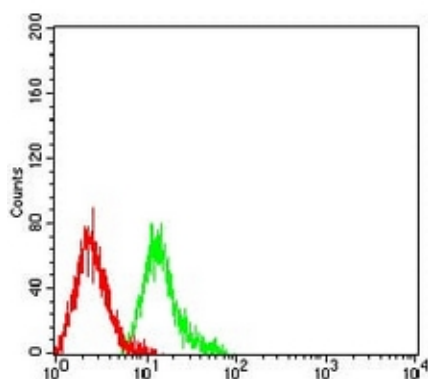
Images



Western blot analysis of TRIM29 expression in HeLa (A), HepG2 (B), LOVO (C), A431 (D) whole cell lysates. (Predicted band size: 66 kD; Observed band size: 70 kD)



Immunofluorescent analysis of TRIM29 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HL60 cells using Anti-TRIM29 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.