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TRIM29 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19332c

Product Information

Application	WB, E
Primary Accession	Q14134
Other Accession	Q8R2Q0, NP_036233.2
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65835
Antigen Region	336-365

Additional Information

Gene ID	23650
Other Names	Tripartite motif-containing protein 29, Ataxia telangiectasia group D-associated protein, TRIM29, ATDC
Target/Specificity	This TRIM29 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 336-365 amino acids from the Central region of human TRIM29.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRIM29 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

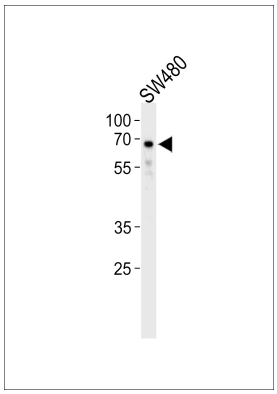
Background

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.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Yuan, Z., et al. Mol. Cell. Biol. 30(12):3004-3015(2010)
Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010)
Bertrand-Vallery, V., et al. PLoS ONE 5 (5), E10462 (2010) :
Ring, B.Z., et al. Mod. Pathol. 22(8):1032-1043(2009)

Images



TRIM29 Antibody (Center) (Cat. #AP19332c) western blot analysis in SW480 cell line lysates (35ug/lane).This demonstrates the TRIM29 antibody detected the TRIM29 protein (arrow).

Citations

- Enhanced chondrogenesis in a coculture system with genetically manipulated dedifferentiated chondrocytes and ATDC5 cells

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