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TRIM29 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19332c

Specification

TRIM29 Antibody (Center) - Product Information

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

TRIM29 Antibody (Center) - 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.

TRIM29 Antibody (Center) - 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

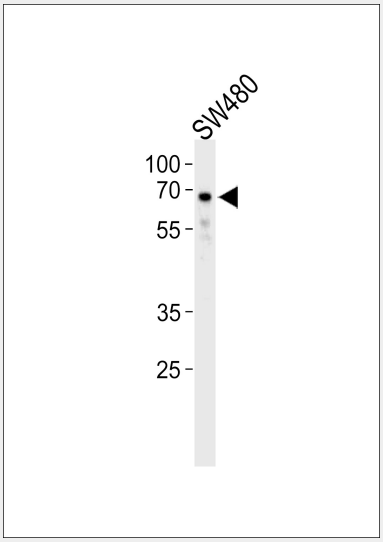
Tissue Location
Expressed in placenta, prostate and thymus.

TRIM29 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRIM29 Antibody (Center) - 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).

TRIM29 Antibody (Center) - 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.

TRIM29 Antibody (Center) - 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)

TRIM29 Antibody (Center) - Citations

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