

**TRIM29 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19332c****Specification**

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**TRIM29 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O14134</a>
Other Accession	<a href="#">O8R2Q0</a> , <a href="#">NP_036233.2</a>
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

**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

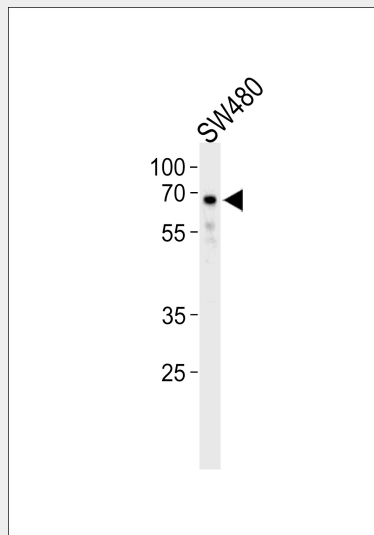
Expressed in placenta, prostate and thymus.

## 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 Cytometry](#)
- [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](#)