

**TRIM29 / ATDC Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3094a

**Specification**

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**TRIM29 / ATDC Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q14134</a>
Other Accession	<a href="#">NP_036233.2</a> , <a href="#">23650</a> , <a href="#">72169 (mouse)</a> , <a href="#">300656 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	65835

**TRIM29 / ATDC Antibody (internal region) - Additional Information**

**Gene ID** 23650

**Other Names**

Tripartite motif-containing protein 29, Ataxia telangiectasia group D-associated protein, TRIM29, ATDC

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TRIM29 / ATDC Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM29 / ATDC Antibody (internal region) - 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

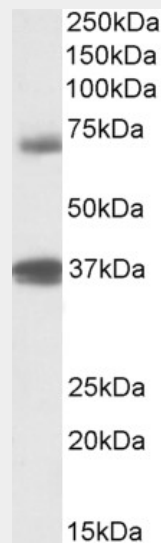
Expressed in placenta, prostate and thymus.

### TRIM29 / ATDC Antibody (internal region) - Protocols

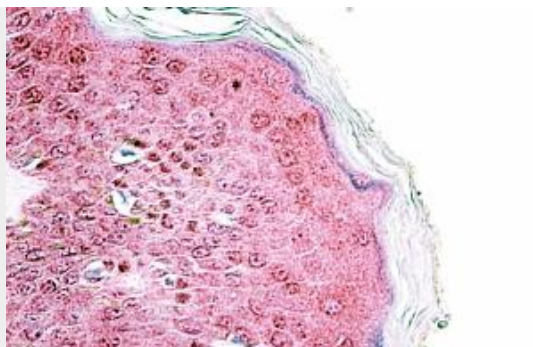
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TRIM29 / ATDC Antibody (internal region) - Images



AF3094a (1 µg/ml) staining of Peripheral Blood Lymphocytes lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3094a (3.8 µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **TRIM29 / ATDC Antibody (internal region) - References**

Oncogenic function of ATDC in pancreatic cancer through Wnt pathway activation and beta-catenin stabilization. Wang L, Heidt DG, Lee CJ, Yang H, Logsdon CD, Zhang L, Fearon ER, Ljungman M, Simeone DM, Cancer cell 2009 Mar 15 (3): 207-19. PMID: 19249679