

Product datasheet for **AP23714PU-N**

TRIM29 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	Peptide ELISA: 1/128000 (Detection Limit). Western blot: Approx 37kDa band observed in Human Peripheral Blood Mononucleocytes (PBM) and in lysates of cell lines HeLa. An additional 70kDa band was seen in some PBM lysates (calculated MW of 37.3kDa according to NP_001317311.1 (isoform 2) and 65.8kDa according to NP_036233.2 (isoform 1). Primary incubation 1 hour at room temperature. <i>Recommended concentration:</i> 0.1-1 µg/ml. Immunohistochemistry on Paraffin Sections: In paraffin embedded Human Skin shows staining of subnuclear structures and cytoplasm in keratinocytes. <i>Recommended concentration:</i> 1-2 µg/ml. Flow Cytometry analysis of A431 cells. <i>Recommended concentration:</i> 10 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_036233.2.
Specificity:	This antibody recognizes TRIM29.
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability: Shelf life: one year from despatch.

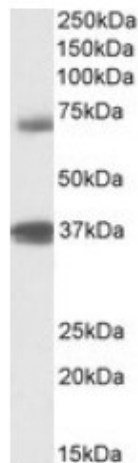
Gene Name: tripartite motif containing 29

Database Link: [Entrez Gene 23650 Human Q14134](#)

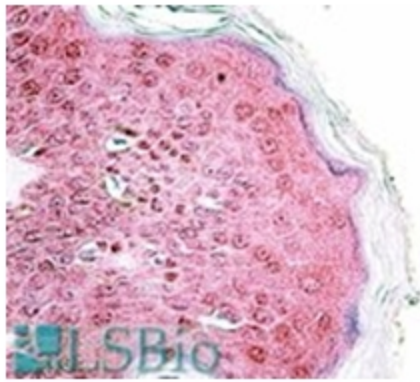
Background: Ataxia-telangiectasia group D-associated protein (ATDC), also called tripartite motif-containing protein 29 (TRIM29), is a novel Histone deacetylase (HDAC) associated protein. Its function is tightly regulated by HDAC. ATDC Lysine 116 (K116) is acetylated and has a significant functional role in regulating cell survival and tumorigenesis. ATDC is expressed in placenta, prostate and thymus, and is over expressed in pancreatic and cervical tumors. Its function in tumor cells is not fully understood. It is constitutively phosphorylated by PKC on serine/threonine in A431 cells. The ATDC gene product is one of a group of proteins that share multiple zinc finger motifs and an adjacent leucine zipper motif. These proteins have been proposed to form homo- or heterodimers involved in nucleic acid binding, consistent with the fact that many of these proteins appear to be transcriptional regulatory factors involved in carcinogenesis and/or differentiation. The likelihood that the ATDC gene product is involved in transcriptional regulation could explain the pleiomorphic characteristics of AT, including abnormal cell cycle regulation.

Synonyms: ATDC; FLJ36085

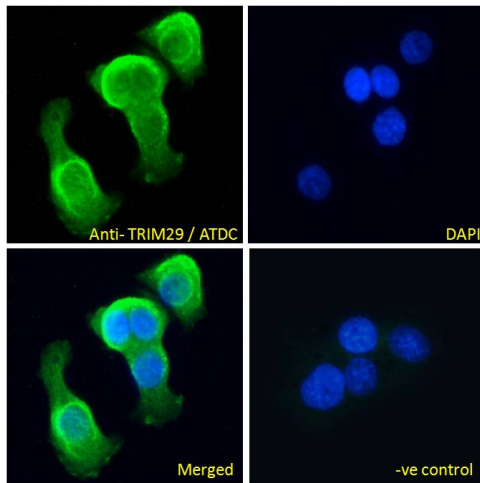
Product images:



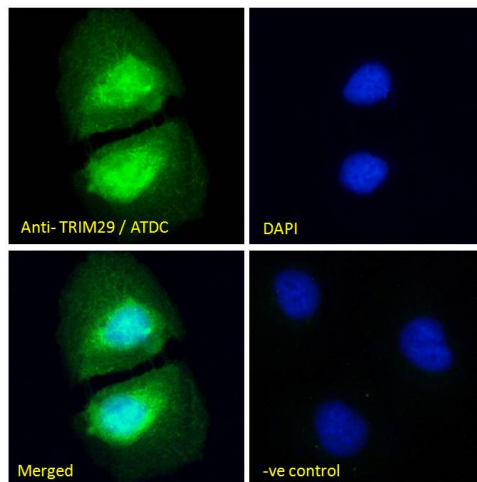
Antibody (1 ug/ml) staining of Peripheral Blood Lymphocytes lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



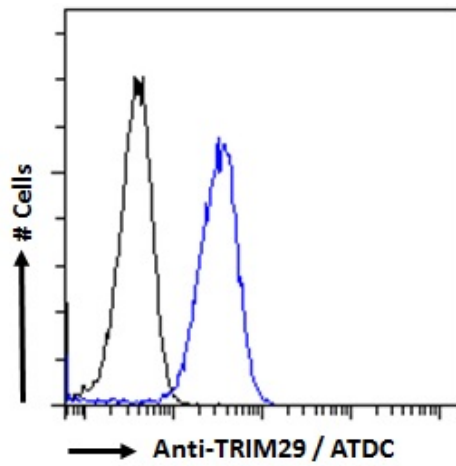
TRIM29 antibody staining of paraffin embedded Human Skin at 3.8 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Intermediate filament staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue)



Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1 hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.