

Anti-ATDC (RABBIT) Antibody - 600-401-B15

Code: 600-401-B15

Size: 100 µg

Product Description: Anti-ATDC (RABBIT) Antibody - 600-401-B15

Concentration: 0.67 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	TRIM29
Species Reactivity	human, horse, bovine, chimpanzee, macaque
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-ATDC Antibody, Ataxia-telangiectasia group D associated protein antibody, FLJ36085 antibody, TRIM 29 antibody, Tripartite motif containing protein 29 antibody, TRIM-29
Application Note	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity and detection of ATDC should be optimized by the end user. Expect a band approximately ~66 kDa in size corresponding to ATDC by western blotting in the appropriate cell lysate or extract.
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.
Purity And Specificity	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with over-expressed, acetylated and non-acetylated (at K116) ATDC protein. A BLAST analysis was used to suggest cross-reactivity with ATDC from human, horse, bovine, chimpanzee and macaque based on a 100% homology with the immunizing sequence. Partial reactivity is expected against rat and mouse ATDC based on 92% homology with the immunizing sequence. Cross-reactivity with ATDC from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:100,000
Western Blot	1:500 to 3,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to an internal portion of human ATDC protein around lysine 116.
General Reference	Kapp LN, Painter RB, Yu LC, van Loon N, Richard CW 3rd, James MR, Cox DR, Murnane JP. Cloning of a candidate gene for ataxia-telangiectasia group D. <i>Am J Hum Genet.</i> 1992 Jul;51(1):45-54. Brzoska PM, Chen H, Zhu Y, Levin NA, Disatnik MH, Mochly-Rosen D, Murnane JP, Christman MF. The product of the ataxia-telangiectasia group D complementing gene, ATDC, interacts with a protein kinase C substrate and inhibitor. <i>Proc Natl Acad Sci U S A.</i> 1995 Aug 15;92(17):7824-8. Leonhardt EA, Kapp LN, Young BR, Murnane JP. (1994) Nucleotide sequence analysis of a candidate gene for ataxia-telangiectasia group D (ATDC). <i>Genomics.</i> Jan 1;19(1):130-6

Related Products

200-301-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - Q14134

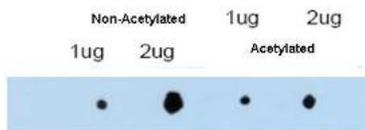
<http://www.uniprot.org/uniprot/Q14134>

NCBI - 17402909 <http://www.ncbi.nlm.nih.gov/protein/17402909>

GeneID - 23650

Images

- 1 Rockland's affinity purified anti-ATDC antibody shows reactivity by dot blot with acetylated and non-acetylated forms of the immunizing peptide. This antibody is predicted to recognize both acetylated (AcK116) and non-acetylated forms of ATDC protein. Personal communication, Z. Yuan, H Lee Moffitt Cancer Center and Research Institute.



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