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Datasheet for 600-401-Y90

ATMIN Antibody

Overview

Description:	Anti-ATMIN (RABBIT) Antibody - 600-401-Y90
Item No.:	600-401-Y90
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The ATM/ATR-substrate CHK2-interacting zinc finger protein (ATMIN), also known as ASCIZ, forms DNA damage-induced nuclear foci that contain the DNA repair protein Rad51 (1). ATMIN is also thought to be involved in embryonic development, as an absence of ATMIN causes late-embryonic lethality in mice with a range of organ development defects (2). It also activates the transcription DYNLL1, a light chain of the dynein motor complex and sequence-specific regulator of protein dimerization of numerous targets. DYNLL1 can bind to and inhibit the transcription activation domain of ATMIN, forming a simple dynamic feedback loop for DYNLL1 expression (3).
Synonyms:	ATMIN Antibody, ASCIZ, ZNF822, KIAA0431, ATM interactor, Zinc finger protein 822, ASCIZ
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ATMIN
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ATMIN antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human ATMIN.

Purity/Specificity:	Anti-ATMIN antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ATMIN antibody is human, mouse and rat reactive. At least three isoforms of ATMIN are known to exist.
Relevant Links:	• UniProtKB - O43313 • GeneID - 23300 • NCBI - NP_056066

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ATMIN Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 88 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	2.5 µg/mL
WB:	1 - 2 µg/mL

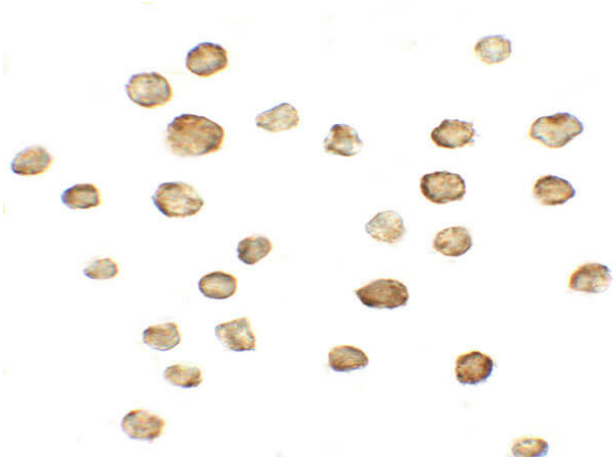
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

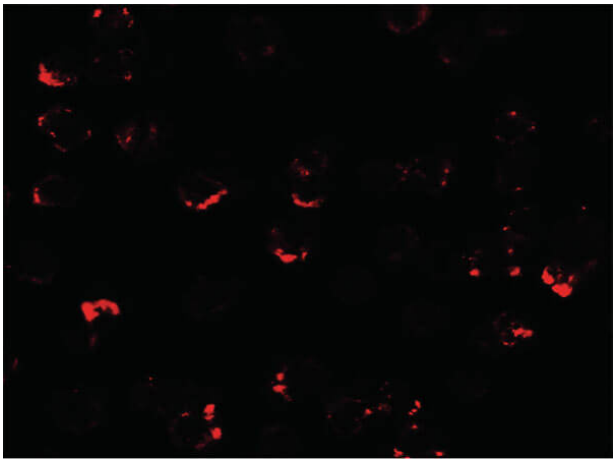
Shipping & Handling

Shipping Condition:	Dry Ice
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.
Expiration:	Expiration date is one (1) year from date of receipt.

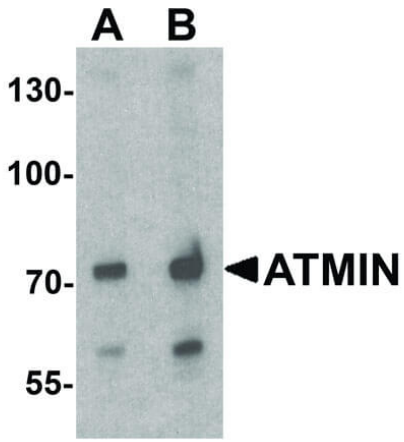
Images



Immunocytochemistry
Immunocytochemistry of Rabbit anti-ATMIN antibody. Tissue: A431 cells. Primary antibody: ATMIN antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: ATMIN is nuclear. Staining: ATMIN as precipitated brown signal.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-ATMIN antibody. Tissue: A431 cells. Primary antibody: ATMIN antibody at 2.5 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:2,500. Localization: ATMIN is nuclear. Staining: ATMIN as red fluorescent signal.



Western Blot
Western Blot of Rabbit anti-ATMIN antibody. Lane A: 293 cell lysate at 1 µg/mL. Lane B: 293 cell lysate at 2 µg/mL. Primary antibody: ATMIN antibody overnight at 4℃. Secondary antibody: Goat Anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 57 kDa, 65 kDa for ATMIN.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.