

Datasheet for 600-401-W95**ATRIP Phospho S239 Antibody****Overview**

Description:	Anti-ATRIP pS239 (RABBIT) Antibody - 600-401-W95
Item No.:	600-401-W95
Size:	100 µL
Applications:	WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	ATRIP, ATR interacting protein, binds to ATR to regulate ATR expression, and is an essential component of the DNA damage checkpoint pathway (Cortez et al, 2001). ATR is recruited to DNA lesions in part through its association with ATRIP, which in turn interacts with the single-stranded DNA binding protein RPA (Ball et al, 2007). DNA replication forks may stall as a result of DNA damage causing phosphorylation of several proteins, including BRCA1 when colocalizing with ATR/ATRIP complex and RPA (Venere et al, 2007). The DNA replication fork stall coincides with BRCA1 directly phosphorylating ATRIP at ser239. ATRIP pS239 Antibody is ideal for researchers interested in cancer research.
Synonyms:	ATM, Rad3-related-interacting protein, ATR-interacting protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ATRIP
Reactivity:	Mouse
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Phospho-Ser239 ATRIP Antibody was produced from rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding Ser239 of human ATRIP conjugated to KLH.
Purity/Specificity:	Anti-ATRIP pS239 Antibody is directed against human ATRIP protein phosphorylated at S239. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. This antibody is specific for phosphorylated ATRIP. Minimal reactivity occurs against non-phosphorylated ATRIP. Reactivity against ATRIP occurs from mouse sources. However, reactivity is also expected against bovine, human, non-human primate and sheep.
Relevant Links:	• UniProtKB - Q8WXE1 • GeneID - 84126 • NCBI - NP_001257951.1

Application Details

Tested Applications:	WB
Application Note:	Anti-ATRIP Phospho-Ser239 Antibody is tested for WB. Expect a band at approximately ~86 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. The antibody also recognizes a band at ~32k.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
WB:	1:500

Formulation

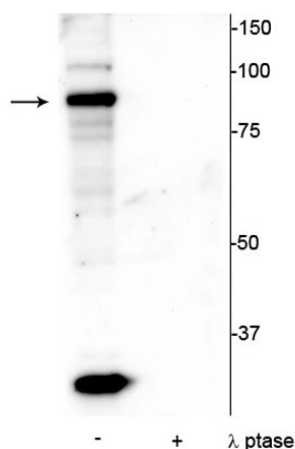
Physical State:	Liquid (sterile filtered)
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Preservative:	None
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. 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. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of anti-ATRIP pS239 antibody.

Mouse testicular lysate showing specific immunolabeling of the ~86 kDa ATRIP protein phosphorylated at Ser239 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ-Ptase, 800 units/1mg protein for 30 minutes).

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.