

Product Name: ATRIP (phospho Ser224) Rabbit Polyclonal Antibody
Catalog #: APRab04287

Summary

Production Name	ATRIP (phospho Ser224) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ATRIP
Alternative Names	ATRIP; AGS1; ATR-interacting protein; ATM and Rad3-related-interacting protein
Gene ID	84126.0
SwissProt ID	Q8WXE1.The antiserum was produced against synthesized peptide derived from human ATRIP around the phosphorylation site of Ser224. AA range:190-239

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	86kDa

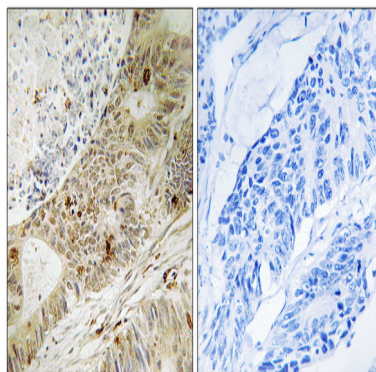
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Background

This gene encodes an essential component of the DNA damage checkpoint. The encoded protein binds to single-stranded DNA coated with replication protein A. The protein also interacts with the ataxia telangiectasia and Rad3 related protein kinase, resulting in its accumulation at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012],caution:The gene for this protein is either identical to or adjacent to that of TREX1. Some of the mRNAs that encode ATRIP also encode TREX1 in another reading frame.,domain:The EEXXXDDL motif is required for the interaction with catalytic subunit PRKDC and its recruitment to sites of DNA damage.,function:Required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.,PTM:Phosphorylated by ATR.,sequence caution:Translation N-terminally extended.,similarity:Belongs to the ATRIP family.,subcellular location:Redistributes to discrete nuclear foci upon DNA damage.,subunit:Heterodimer with ATR. The heterodimer binds the RPA complex and is then recruited to single stranded DNA. Interacts with CEP164 (via N-terminus),tissue specificity:Ubiquitous.,

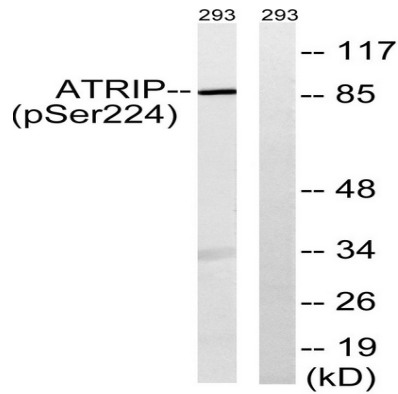
Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using ATRIP (Phospho-Ser224) Antibody.
The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from 293 cells treated with UV 15', using ATRIP (Phospho-Ser224) Antibody. The lane on the right is blocked with the phospho peptide.

Note

For research use only.