

## ATRIP (Phospho Ser224) Rabbit pAb

CatalogNo: YP0813 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 86kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human ATRIP around the phosphorylation site of Ser224. AA range:190-239

## Specificity

Phospho-ATRIP (S224) Polyclonal Antibody detects endogenous levels of ATRIP protein only when phosphorylated at S224. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):HVSPR

## Target Information

**Gene name** ATRIP

**Protein Name** ATR-interacting protein

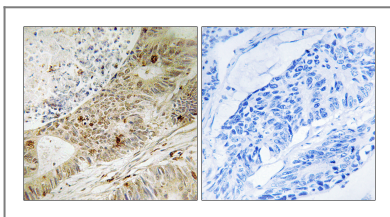
Organism	Gene ID	UniProt ID
Human	<a href="#">84126;</a>	<a href="#">Q8WXE1;</a>
Mouse		<a href="#">Q8BMG1;</a>

**Cellular Localization** Nucleus . Redistributes to discrete nuclear foci upon DNA damage.

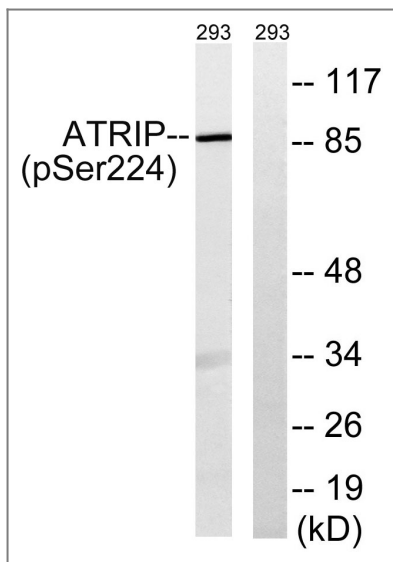
**Tissue specificity** Ubiquitous.

**Function** 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 EEXXDDL 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. ,

## Validation 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.



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.

## Contact information

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**ATRIP (Phospho Ser224) Rabbit pAb**

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