

## anti-Human ATR Antibody | anti-ATR antibody

ATR (Phospho-Ser428) Antibody

|                               |                            |                                                    |
|-------------------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA109512</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry</b> |
|-------------------------------|----------------------------|----------------------------------------------------|

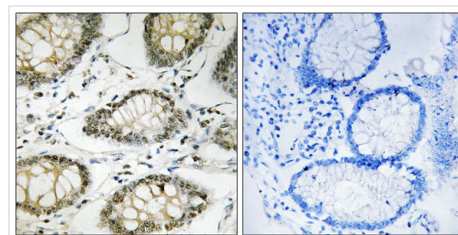
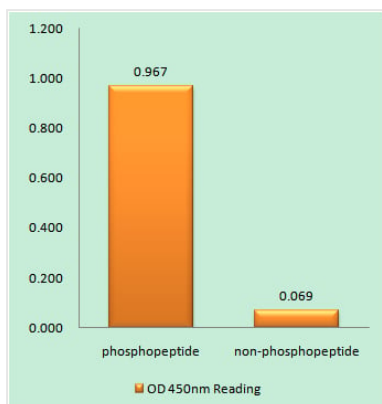
### PRODUCT SYNONYMS

ATR; ATR (Phospho-Ser428) Antibody; ataxia telangiectasia and Rad3-related protein; EC 2.7.11.1; FRAP-related protein; FRP1; kinase ATR; protein kinase ATR; anti-ATR antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human                                                                                                                                                                                                                                               |
| Specificity                                   | ATR (Phospho-Ser428) antibody detects endogenous levels of ATR only when phosphorylated at serine 428.                                                                                                                                              |
| Purity/Purification                           | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                   | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                               | 2644                                                                                                                                                                                                                                                |
| Applicable Applications for anti-ATR antibody | ELISA, IHC (Immunohistochemistry)                                                                                                                                                                                                                   |
| Immunogen                                     | The antiserum was produced against synthesized phosphopeptide derived from human ATR around the phosphorylation site of serine 428 (G-I-SP-P-K).                                                                                                    |
| All Sites                                     | Human: Ser428                                                                                                                                                                                                                                       |
| Preparation and Storage                       | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using ATR (Phospho-Ser428) antibody. ATR (Phospho-Ser428) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-ATR antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                      | Bentley N.J., EMBO J. 15:6641-6651(1996). Cimprich K.A., Proc. Natl. Acad. Sci. U.S.A. 93:2850-2855(1996). Mannino J.L., Gene 272:35-43(2001).                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 157266317                                     |
| NCBI GeneID                      | 545                                           |
| NCBI Accession #                 | NP_001175.2                                   |
| NCBI GenBank Nucleotide #        | NM_001184.3                                   |
| UniProt Accession #              | Q13535; Q59HB2; Q7KYL3; Q93051; Q9BXX4        |
| Molecular Weight                 | 297,479 Da                                    |
| NCBI Official Full Name          | serine/threonine-protein kinase ATR isoform 1 |
| NCBI Official Synonym Full Names | ATR serine/threonine kinase                   |
| NCBI Official Symbol             | ATR                                           |
| NCBI Official Synonym Symbols    | FRP1; MEC1; SCKL; FCTCS; SCKL1                |
| NCBI Protein Information         | serine/threonine-protein kinase ATR           |
| UniProt Protein Name             | Serine/threonine-protein kinase ATR           |
| UniProt Gene Name                | ATR                                           |
| UniProt Synonym Gene Names       | FRP1                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/atr/109512>