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Datasheet for ABIN319379  
**anti-ATR antibody (Ser428)**

1 Image

### Overview

Quantity:	0.1 mL
Target:	ATR
Binding Specificity:	Ser428
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATR antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human ATR around the phosphorylation site of Serine 428 (G-I-SP-P-K).
Specificity:	This antibody detects endogenous levels of total ATR protein.
Purification:	Immunoaffinity Chromatography.

### Target Details

Target:	ATR
Alternative Name:	ATR / FRP1 ( <a href="#">ATR Products</a> )
Background:	Ataxia Telangiectasia Mutated (ATM) and Rad 3-related protein (ATR) is a phosphatidylinositol kinase (PK)-related kinase which functions in response to DNA damage and repair as well as at DNA replication checkpoints during the cell cycle. ATR is a member of the DNA-PK kinases

## Target Details

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closely related to ATM and DNA-PK for which DNA stimulates the observed kinase activity. Chromosomal remodeling proteins have also been reported to associate with ATR complexes. Several known components of the NuRD complex including histone deacetylase 1 (HDAC1), HDAC2, and CHD4. Synonyms: Ataxia telangiectasia and Rad3-related protein, FRAP-related protein 1, Serine/threonine-protein kinase ATR

Gene ID: 545

NCBI Accession: [NP\\_001175](#)

UniProt: [Q13535](#)

Pathways: [p53 Signaling](#), [Apoptosis](#), [DNA Damage Repair](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

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Application Notes: Immunohistochemistry (1/50-1/100).  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

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Buffer: PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % Sodium Azide and 50 % Glycerol.

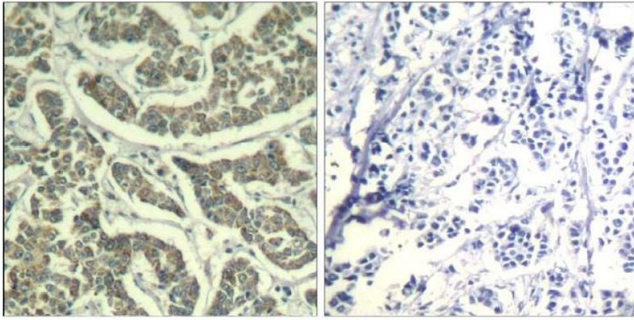
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Peptide

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Image 1.