

Datasheet for ABIN7451652
anti-ATR antibody (AA 1675-1725)



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Overview

Quantity:	100 µg
Target:	ATR
Binding Specificity:	AA 1675-1725
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATR antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-ATR Antibody, Affinity Purified
Immunogen:	between AA 1675 and 1725
Isotype:	IgG
Predicted Reactivity:	Mouse
Purification:	Affinity Purified

Target Details

Target:	ATR
Alternative Name:	ATR (ATR Products)
Background:	Background: ATR (ATM and Rad3 related) is closely related to ATM (Ataxia telangiectasia,

Target Details

mutated) and is a member of the phosphatidylinositol 3 kinase (PI-3) family that is an early sensor of DNA damage. ATR is a serine-threonine kinase that reacts to UV damage and interruptions in replication. ATR may be able to sense DNA damage through interaction with Rad17 and 1as well as components of nucleosome remodeling complexes. In response to DNA damage, ATR has been shown to phosphorylate a multitude of substrates which include BRCA1, p53, Chk2, Rad 17, and E2F transcription factor 1.

Gene ID: 545

NCBI Accession: [NP_001175](#)

UniProt: [Q13535](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: IP: 2 - 5 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

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

Storage: 4 °C

Expiry Date: 12 months