

ATR antibody

Cat. No. GTX128146

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse

Reference (8)
Package
100 µl, 25 µl

PRODUCT

Summary

ATR antibody detects the serine/threonine-protein kinase ATR (Ataxia Telangiectasia and Rad3-related protein) (also known as FRAP-related protein 1 (FRP1)). ATR (301 kDa) is a key component of the DNA damage response machinery and is activated by ssDNA, leading to cell cycle arrest while DNA damage is repaired. It also plays a critical role in stabilizing the genome during DNA replication by preventing premature onset of mitosis. This ATR antibody is a cited rabbit polyclonal validated for multiple applications.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:5000
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 301 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human ATR. The exact sequence is proprietary.



For full product information, images and publications, please visit our [website](#).

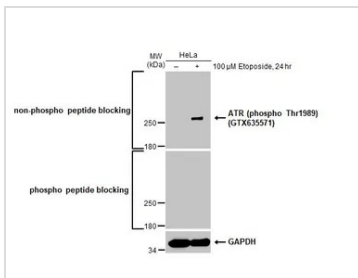
Purification Purified by antigen-affinity chromatography.

Conjugation Unconjugated

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

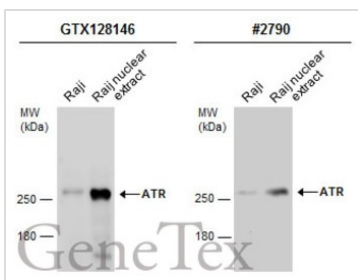
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DATA IMAGES



GTX128146 WB Image

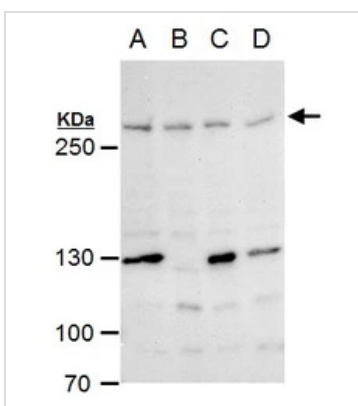
Untreated (-) and treated (+) HeLa whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR antibody (GTX128146) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX128146 WB Image

Raji whole cell and nuclear extracts (30 µg) were separated by 5% SDS-PAGE, and the membranes were blotted with ATR antibody (GTX128146) diluted at 1:500 and competitor's antibody (CST#2790) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX128146 WB Image

ATR antibody detects ATR protein by Western blot analysis.

- A. 30 µg 293T whole cell extract
- B. 30 µg A431 whole cell extract
- C. 30 µg HeLa whole cell extract
- D. 30 µg HepG2 whole cell extract

5 % SDS-PAGE

ATR antibody (GTX128146) dilution: 1:500



For full product information, images and publications, please visit our [website](https://www.genetex.com).