

anti- ATR antibody

Product Information

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|---------------|---|
| Catalog No.: | FNab00736 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

Serine/threonine protein kinase which activates checkpoint signaling upon genotoxic stresses such as ionizing radiation(IR), ultraviolet light(UV), or DNA replication stalling, thereby acting as a DNA damage sensor. Recognizes the substrate consensus sequence [ST]-Q. Phosphorylates BRCA1, CHEK1, MCM2, RAD17, RPA2, SMC1 and p53/TP53, which collectively inhibit DNA replication and mitosis and promote DNA repair, recombination and apoptosis. Phosphorylates 'Ser-139' of histone variant H2AX/H2AFX at sites of DNA damage, thereby regulating DNA damage response mechanism. Required for FANCD2 ubiquitination. Critical for maintenance of fragile site stability and efficient regulation of centrosome duplication.

Immunogen information

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| Immunogen: | ataxia telangiectasia and Rad3 related |
| Synonyms: | ATR, FRAP related protein 1, FRP1, MEC1, SCKL, SCKL1 |
| Observed MW: | 250-290kd |
| UniprotID : | Q13535 |

Application

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

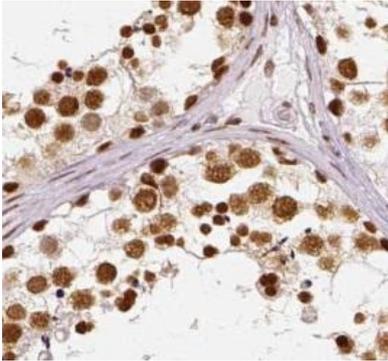
Fax: (0086)027-87800889 www.fn-test.com

Reactivity: Human, Mouse, Rat

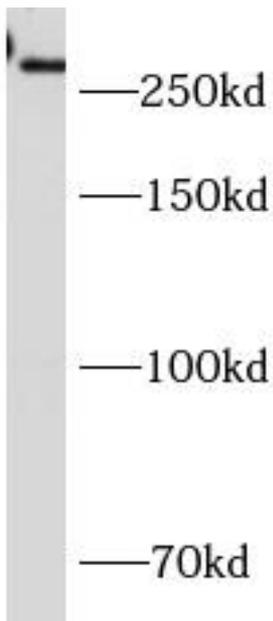
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:300-1:1000; IP: 1:200-1:1000; IHC: 1:50-1:500; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded mouse testis tissue slide using FNab00736 (ATR antibody) at dilution of 1:200



HeLa cells were subjected to SDS PAGE followed by western blot with FNab00736(ATR antibody) at dilution of 1:500

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