



## ATR Polyclonal Antibody

Catalog No	BYab-14673
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	ATR
Protein Name	Serine/threonine-protein kinase ATR
Immunogen	The antiserum was produced against synthesized peptide derived from human ATR. AA range:394-443
Specificity	ATR Polyclonal Antibody detects endogenous levels of ATR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200
Dilution  Concentration	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200  1 mg/ml
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Concentration Purity Storage Stability	1 mg/ml ≥90% -20°C/1 year ATR; FRP1; Serine/threonine-protein kinase ATR; Ataxia telangiectasia and
Concentration Purity Storage Stability Synonyms	1 mg/ml ≥90% -20°C/1 year  ATR; FRP1; Serine/threonine-protein kinase ATR; Ataxia telangiectasia and Rad3-related protein; FRAP-related protein 1
Concentration Purity Storage Stability Synonyms Observed Band	1 mg/ml ≥90% -20°C/1 year  ATR; FRP1; Serine/threonine-protein kinase ATR; Ataxia telangiectasia and Rad3-related protein; FRAP-related protein 1 300kD  Nucleus . Chromosome . Depending on the cell type, it can also be found in PML nuclear bodies. Recruited to chromatin during S-phase. Redistributes to discrete

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658



国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询



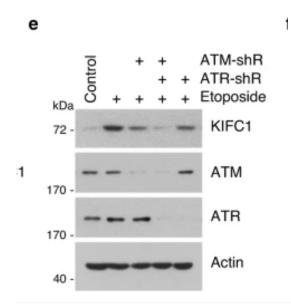
	(UV), or DNA replication stalling, thereby acting as a DNA damage sensor. Recognizes the substrate consensus sequence [ST]-Q. Phosphorylates BRCA1, CHEK1, MCM2, RAD17, RPA2, SMC1 and TP53/p53, which collectively inhibit DNA replication and mitosis and promote DN
Background	The protein encoded by this gene belongs the PI3/PI4-kinase family, and is most closely related to ATM, a protein kinase encoded by the gene mutated in ataxia telangiectasia. This protein and ATM share similarity with Schizosaccharomyces pombe rad3, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This kinase has been shown to phosphorylate checkpoint kinase CHK1, checkpoint proteins RAD17, and RAD9, as well as tumor suppressor protein BRCA1. Mutations of this gene are associated with Seckel syndrome. An alternatively spliced transcript variant of this gene has been reported, however, its full length nature is not known. Transcript variants utilizing alternative polyA sites exist. [provided by RefSeq, Jul 2008],
matters needing	Avoid repeated freezing and thawing!
matters needing attention	Avoid repeated freezing and triawing:
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

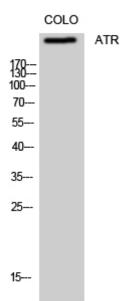




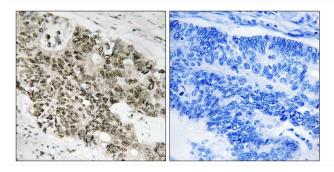
## **Products Images**



Fan, G., Sun, L., Meng, L. et al. The ATM and ATR kinases regulate centrosome clustering and tumor recurrence by targeting KIFC1 phosphorylation. Nat Commun 12, 20 (2021).



Western Blot analysis of COLO cells using ATR Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using ATR Antibody. The picture on the right is blocked with the synthesized peptide.

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658