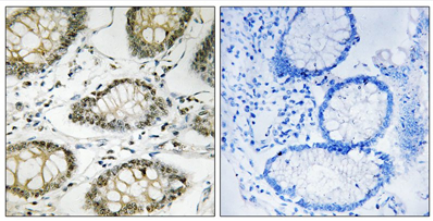
ATR (phospho S428) polyclonal antibody

Catalog # PAB29643 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human colon carcinoma tissue reacted with ATR (phospho S428) polyclonal antibody (Cat # PAB29643) at 1:50-1:100 dilution. The picture on the right is treated with the synthesized peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human ATR.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S428 of hu man ATR.
Host	Rabbit
Reactivity	Human
Specificity	ATR (phospho S428) polyclonal antibody detects endogenous levels of human ATR only when phosp horylated at serine 428.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — ATR

Entrez GeneID	545
Protein Accession#	Q13535
Gene Name	ATR
Gene Alias	FRP1, MEC1, SCKL, SCKL1
Gene Description	ataxia telangiectasia and Rad3 related
Omim ID	210600 601215
Gene Ontology	Hyperlink
Other Designations	FRAP-related protein-1|MEC1, mitosis entry checkpoint 1, homolog|Rad3 related protein|ataxia t elangiectasia and Rad3 related protein|protein kinase ATR

Pathway

- Cell cycle
- p53 signaling pathway

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Atherosclerosis

- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colonic Neoplasms
- Coronary Disease
- DNA Damage
- Endometrial Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hypertension
- Hypertrophy
- Kidney Failure
- Lung Neoplasms
- Microsatellite Instability
- Myocardial Infarction
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Werner syndrome