



Datasheet for ABIN540506
anti-ATR antibody (Ser428)



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Overview

Quantity:	100 µg
Target:	ATR
Binding Specificity:	Ser428
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATR antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of ATR.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S428 of human ATR.
Sequence:	GISPK
Specificity:	ATR (Ab-428) Antibody detects endogenous levels of total ATR protein.
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	ATR
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Target Details

Alternative Name:	ATR (ATR Products)
Gene ID:	545
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

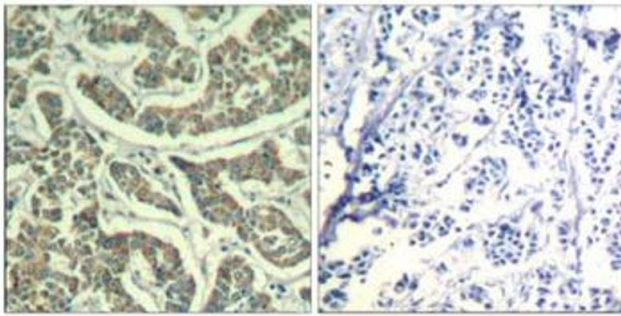
Application Notes:	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50 % glycerol, 0.02 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Shechter, Costanzo, Gautier: "Regulation of DNA replication by ATR: signaling in response to DNA intermediates." in: DNA repair , Vol. 3, Issue 8-9, pp. 901-8, (2004) (PubMed).
	Zhou, Lu, Wulf, Lu: "Phosphorylation-dependent prolyl isomerization: a novel signaling regulatory mechanism." in: Cellular and molecular life sciences : CMLS , Vol. 56, Issue 9-10, pp. 788-806, (2001) (PubMed).
	Kastan, Lim: "The many substrates and functions of ATM." in: Nature reviews. Molecular cell biology , Vol. 1, Issue 3, pp. 179-86, (2001) (PubMed).



Peptide

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Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATR polyclonal antibody .