

## Product datasheet for **AP08085PU-N**

### ATR Rabbit Polyclonal Antibody

#### Product data:

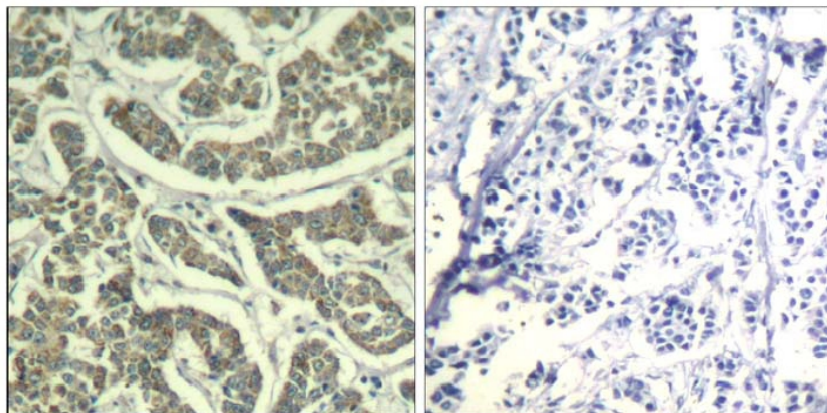
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry (1/50-1/100).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human ATR around the phosphorylation site of Serine 428 (G-I-SP-P-K).
Specificity:	This antibody detects endogenous levels of total ATR protein.
Formulation:	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	ATR serine/threonine kinase
Database Link:	<a href="#">Entrez Gene 545 Human Q13535</a>
Background:	Ataxia Telangiectasia Mutated (ATM) and Rad 3-related protein (ATR) is a phosphatidylinositol kinase (PK)-related kinase which functions in response to DNA damage and repair as well as at DNA replication checkpoints during the cell cycle. ATR is a member of the DNA-PK kinases closely related to ATM and DNA-PK for which DNA stimulates the observed kinase activity. Chromosomal remodeling proteins have also been reported to associate with ATR complexes. Several known components of the NuRD complex including histone deacetylase 1 (HDAC1), HDAC2, and CHD4.



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Synonyms: FRAP-related protein 1

**Product images:**



Peptide

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+

Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATR Antibody (AP08085PU).