

ATR Polyclonal Antibody

Catalog NumberPA1-20141

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	0.03-0.07 µg/mL
Immunogen	Synthetic peptide corresponding to a portion of human Ataxia and Rad3 related encoded within exon 5.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	tris phosphate/tris citrate, pH 7-8		
Contains	0.1% Sodium azide		
Storage Conditions	4° C, do not freeze		

Product specific information

Recommended positive controls: Whole cell lysate from HeLa and U2OS cells.

Background/Target Information

The protein encoded by this gene is a serine/threonine kinase and DNA damage sensor, activating cell cycle checkpoint signaling upon DNA stress. The encoded protein can phosphorylate and activate several proteins involved in the inhibition of DNA replication and mitosis, and can promote DNA repair, recombination, and apoptosis. This protein is also important for fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1.

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