

For Research Use Only

Phospho-ATR (Ser428) Recombinant monoclonal antibody

Catalog Number: 86330-1-RR



Basic Information

Catalog Number: 86330-1-RR	GenBank Accession Number: NM_001184	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 545	CloneNo.: 250988D3
Source: Rabbit	UNIPROT ID: Q13535	Recommended Dilutions: WB: 1:1000-1:6000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: ataxia telangiectasia and Rad3 related	
	Calculated MW: 301 kDa	
	Observed MW: 300 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HEK-293 cells, IF/ICC : HEK-293 cells,

Background Information

Ataxia-telangiectasia and Rad3 related (ATR) is a serine/threonine kinase and a member of the phosphatidylinositol 3-kinase-related kinase (PIKK) family, particularly the ataxia telangiectasia mutated (ATM) subfamily. The phosphorylation site of ATR is located at Ser428 and is crucial for proper ATR function. In a series of breast cancer studies, high ATR expression and activation were significantly associated with higher tumor stage, mitotic index, pleomorphism, lymphovascular invasion, and poor survival. (PMID: 33854565)

Storage

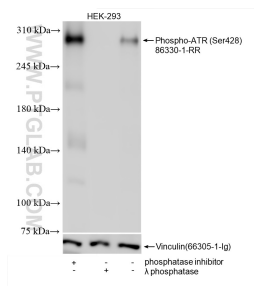
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

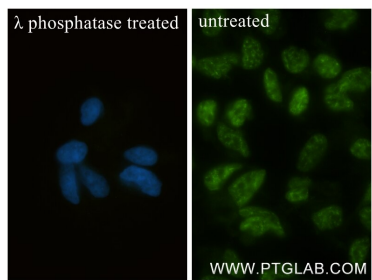
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and λ phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 86330-1-RR (Phospho-ATR (Ser428) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (66305-1-Ig) antibody as a loading control.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated HEK-293 cells using Phospho-ATR (Ser428) antibody (86330-1-RR, Clone: 250988D3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).