

For Research Use Only

Phospho-ATR (Ser428) Recombinant monoclonal antibody, PBS Only

Catalog Number: 86330-1-PBS



Basic Information

Catalog Number:

86330-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001184

GeneID (NCBI):

545

UNIPROT ID:

Q13535

Full Name:

ataxia telangiectasia and Rad3 related

Calculated MW:

301 kDa

Observed MW:

300 kDa

Purification Method:

Protein A purification

CloneNo.:

250988D3

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

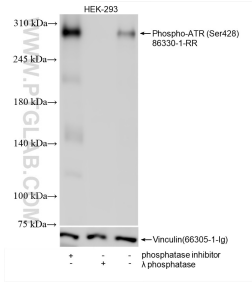
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

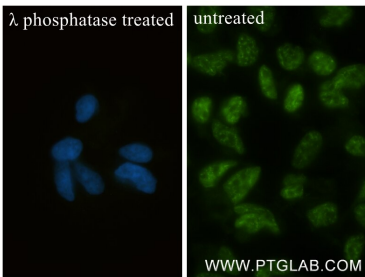
E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 86330-1-PBS in a



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). This data was developed using the same antibody clone with 86330-1-PBS in a different storage buffer formulation.