ATRIP (Phospho-Ser68+Ser72) Antibody FITC Conjugated

Catalog No: #C01028F

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Description

Product Name	ATRIP (Phospho-Ser68+Ser72) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC,IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human ATRIP around the phosphorylation site of Ser68 + Ser72 [LA(p-S)QAL(p-S)QC]
Conjugates	FITC
Target Name	ATRIP Ser68+Ser72
Other Names	ATRIP phospho S68 + S72; ATRIP Ser68 + Ser72; P-ATRIP Ser68 Ser72; AGS 1; AGS1; AGS-1; Aicardi Goutieres syndrome 1; ATIP; ATM and Rad3 related interacting protein; ATM and Rad3-related-interacting protein; ATR interacting protein; ATR-interacting protein; Atrip; ATRIP_HUMAN; Deoxyribonuclease III
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

DNA damage or incomplete replication of DNA results in the inhibition of cell cycle progression at the G1 to S or the G2 to M phase transition by conserved regulatory mechanisms known as cell cycle checkpoints. Checkpoint proteins include Rad17, which is involved in regulating cell cycle progression at the G1 checkpoint as well as Chk1, Chk2, Rad1, Rad9 and Hus1, which are involved in regulating cell cycle arrest at the G2 checkpoint. In response to DNA damage, ATM and ATR kinases are important for cell cycle checkpoint response signalling. ATR-interacting protein (ATRIP), also designated ATM and Rad3-related-interacting protein, is required for checkpoint signaling after DNA damage. It is also important for ATR expression, which regulates DNA replication and damage checkpoint responses. ATRIP is a ubiquitously expressed protein that can form heterodimers with ATR. After dimerization they bind the RPA complex and are recruited to single stranded DNA. ATRIP is a nuclear protein that may also play a role in protein stabilization.

Note: This product is for in vitro research use only