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Anti-ATRIP (Ser239) Antibody

Our Anti-ATRIP (Ser239) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1319

Product Information

Application	WB
Primary Accession	Q8WXE1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	85838

Additional Information

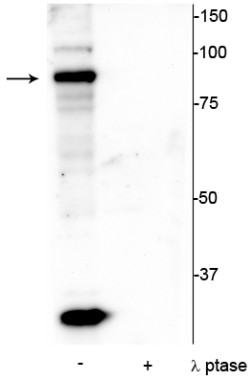
Gene ID	84126
Other Names	AGS1 antibody, ATIP antibody, ATM and Rad3 related interacting protein antibody, ATM and Rad3-related-interacting protein antibody, ATR interacting protein antibody, ATR-interacting protein antibody, Atrip antibody, ATRIP_HUMAN antibody, DKFZp762J2115 antibody, FLJ12343 antibody, MGC20625 antibody, MGC21482 antibody, MGC26740 antibody
Target/Specificity	ATRIP, ATR interacting protein, binds to ATR to regulate ATR expression, and is an essential component of the DNA damage checkpoint pathway (Cortez et al, 2001). ATR is recruited to DNA lesions in part through its association with ATRIP, which in turn interacts with the single-stranded DNA binding protein RPA (Ball et al, 2007). DNA replication forks may stall as a result of DNA damage causing phosphorylation of several proteins, including BRCA1 when colocalizing with ATR/ATRIP complex and RPA (Venere et al, 2007). The DNA replication fork stall coincides with BRCA1 directly phosphorylating ATRIP at Ser-239 (Venere et al, 2007).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-ATRIP (Ser239) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

ATRIP, ATR interacting protein, binds to ATR to regulate ATR expression, and is an essential component of

the DNA damage checkpoint pathway (Cortez et al, 2001). ATR is recruited to DNA lesions in part through its association with ATRIP, which in turn interacts with the single-stranded DNA binding protein RPA (Ball et al, 2007). DNA replication forks may stall as a result of DNA damage causing phosphorylation of several proteins, including BRCA1 when colocalizing with ATR/ATRIP complex and RPA (Venere et al, 2007). The DNA replication fork stall coincides with BRCA1 directly phosphorylating ATRIP at Ser-239 (Venere et al, 2007).

Images



Western blot of mouse testicular lysate showing specific immunolabeling of the ~86 kDa ATRIP protein phosphorylated at Ser239 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ-Ptase, 800 units/1mg protein for 30 minutes).