

Catalog Number	PA-MM 000003
Batch Number(s):	PA-B-0001-MM-ATRIP
Product Name	Mouse anti-Human ATRIP Monoclonal (4H6H4/G3)

PRODUCT SPECIFICATION

Host	Mouse
Colonicity	Monoclonal
Subclass	IgG2b
Immunogen	Immunogen against recombinant full-length protein, Uniprot ID Q8WXE1, Gene ID 84126
Conjugate	Unconjugated
Form	Liquid
Concentration	1.0 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

ATRIP is the key partner of ATR, guiding it to sites of DNA damage. By binding RPA-coated single-stranded DNA at stalled forks or single-strand breaks, ATRIP recruits and activates ATR, triggering CHK1-mediated checkpoint signaling. Through ATR activation, ATRIP stabilizes replication forks, coordinates repair pathways, and ensures an effective response to replication stress and maintenance of genome stability.

Uniprot ID	Q8WXE1
Gene ID	84126
Gene Symbol	ATRIP
Gene Aliases	ATM and Rad3-related-interacting protein; ATR-interacting protein

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