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Phospho-ATRIP(S239) Blocking Peptide

Synthetic peptide
Catalog # BP15000a

Specification

Phospho-ATRIP(S239) Blocking Peptide - Product Information

Primary Accession	Q8WXE1
Other Accession	Q9N077, NP_115542.2

Phospho-ATRIP(S239) Blocking Peptide - Additional Information

Gene ID 84126

Other Names
ATR-interacting protein, ATM and Rad3-related-interacting protein, ATRIP, AGS1

Target/Specificity
The synthetic peptide sequence is selected from aa 234-248 of HUMAN ATRIP

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-ATRIP(S239) Blocking Peptide - Protein Information

Name ATRIP

Synonyms AGS1

Function
Required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.

Cellular Location
Nucleus. Note=Redistributes to discrete nuclear foci upon DNA damage

Tissue Location
Ubiquitous..

Phospho-ATRIP(S239) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Phospho-ATRIP(S239) Blocking Peptide - Images

Phospho-ATRIP(S239) Blocking Peptide - Background

The product of this gene is an essential component of the DNA damage checkpoint, and binds to single-stranded DNA coated with replication protein A that accumulates at sites of DNA damage. The encoded protein interacts with the ataxia telangiectasia and Rad3 related protein, a checkpoint kinase, resulting in accumulation of the kinase at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene.

Phospho-ATRIP(S239) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Vega, A., et al. Gynecol. Oncol. 112(1):210-214(2009)
Myers, J.S., et al. Cancer Res. 67(14):6685-6690(2007)
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