

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

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)
Venere, M., et al. Cancer Res.
67(13):6100-6105(2007)

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**

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

- [Blocking Peptides](#)