

# Phospho-ATRIP(S239) Blocking Peptide

Synthetic peptide Catalog # BP15000a

## **Specification**

Phospho-ATRIP(S239) Blocking Peptide - Product Information

Primary Accession Other Accession O9N077,
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

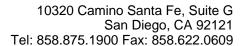
The product of this gene is an essential component of the DNA damage checkpoint, and binds to single-stranded DNA coated with replication protein A that accumulates at sites of DNA damage. The encoded protein interacts with the ataxia telangiectasia and Rad3 related protein, a checkpoint kinase, resulting 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