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Phospho-ATRIP(S239) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP15000a

Product Information

Application	DB, E
Primary Accession	Q8WXE1
Other Accession	Q9N077, NP_115542.2
Reactivity	Human
Predicted	Monkey, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33468
Calculated MW	85838

Additional Information

Gene ID	84126
Other Names	ATR-interacting protein, ATM and Rad3-related-interacting protein, ATRIP, AGS1
Target/Specificity	This ATRIP Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S239 of human ATRIP.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-ATRIP(S239) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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..

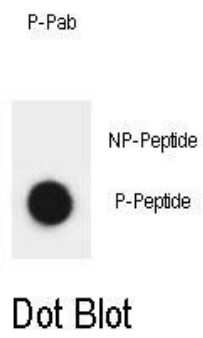
Background

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.

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)

Images



Dot blot analysis of Phospho-ATRIP-S239 Antibody Phospho-specific Pab (Cat. #AP15000a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.