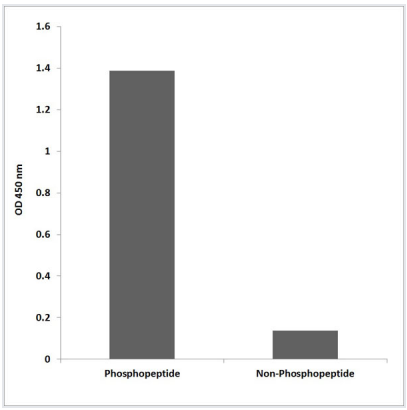
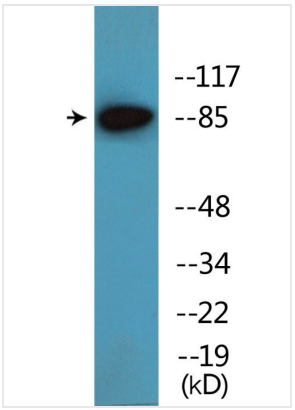
ATRIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATRIP, Polyclonal Antibody
Full Product Name	ATRIP (Phospho-Ser224) Antibody
Product Gene Name	anti-ATRIP antibody
Product Synonym Names	ATIP; ATM and Rad3 related interacting protein; ATR-interacting protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (Phospho-without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Concentration	1 mg/ml (lot specific)
Specificity	ATRIP (Phospho-Ser224) Antibody detects endogenous levels of ATRIP only when phosphorylated at Ser224.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	85 kDa
OMIM	AF451323 mRNA
3D Structure	ModBase 3D Structure for Q8WXE1
Target Modification	Phospho
Modification Sites	H:S224
Immunogen	The antiserum was produced against synthesized phospho-peptide derived from human ATRIP around the phosphorylation site of Ser224.
Applications Tested/Suitable for anti-ATRIP antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-ATRIP antibody	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Related Product Information for anti-ATRIP antibody	MBS9508569 is an antibody targeting ATRIP. Also known as ATRIP (Phospho-Ser224) Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-ATRIP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



ELISA (EIA) of anti-ATRIP antibody
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ATRIP (Phospho-Ser224) Antibody



Western Blot (WB) of anti-ATRIP antibody
Western blot analysis of lysates from 293 cells treated with UV 15', using ATRIP (Phospho-Ser224) Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATRIP. It may not necessarily be applicable to this product.

NCBI GI #	402534571
NCBI GeneID	84126
NCBI Accession #	NP_001257951.1
UniProt Primary Accession #	Q8WXE1
UniProt Secondary Accession #	Q69YK9; Q8NHQ2; Q8WUG7; Q96CL3; Q9HA30; A8K6A3; A8K714; B2RCE7; B4DU92; B5MEB7
UniProt Related Accession #	Q8WXE1
GenBank Nucleotide #	NM_001271022.1
NCBI Official Full Name	ATR-interacting protein isoform 3
NCBI Official Synonym Full Names	ATR interacting protein
NCBI Official Symbol	ATRIP
UniProt Protein Name	ATR-interacting protein
UniProt Synonym Protein Names	ATM and Rad3-related-interacting protein
Protein Family	ATR-interacting protein
UniProt Gene Name	ATRIP
UniProt Synonym Gene Names	AGS1
NCBI Protein Information	ATR-interacting protein
NCBI Summary for ATRIP	This gene encodes an essential component of the DNA damage checkpoint. The encoded protein binds to single-stranded DNA coated with replication protein A. The protein also interacts with the ataxia telangiectasia and Rad3 related protein kinase, resulting in its accumulation at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012]
UniProt Comments for ATRIP	Required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.
Research Articles on ATRIP	**1.** ATRIP deacetylation by SIRT2 promotes ATR-ATRIP binding to replication protein A-single-stranded DNA to drive ATR activation and thus facilitate recovery from replication stress.

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