

Rabbit ATRIP Polyclonal Antibody | anti-ATRIP antibody

Phospho-ATRIP (Ser68) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321756	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

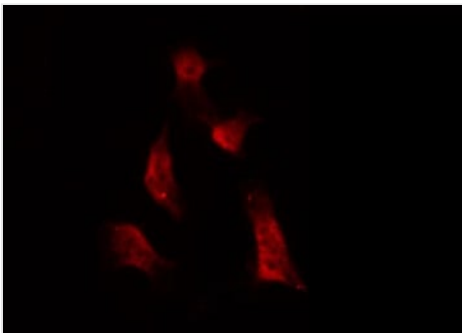
PRODUCT SYNONYMS

ATRIP; Polyclonal Antibody; Phospho-ATRIP (Ser68) Antibody; AGS1; ATIP; ATM and Rad3 related interacting protein; ATM and Rad3-related-interacting protein; ATR interacting protein; ATR-interacting protein; Atrip; ATRIP_HUMAN; DKFZp762J2115; FLJ12343; MGC20625; MGC21482; MGC26740; anti-ATRIP antibody

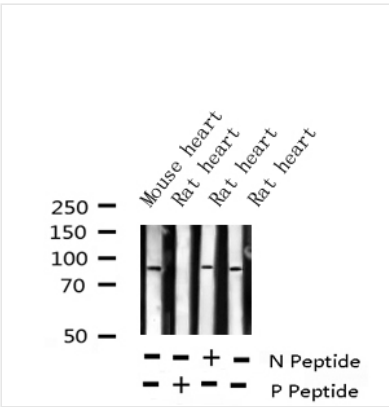
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-ATRIP (Ser68) antibody detects endogenous levels of ATRIP only when phosphorylated at Serine 68
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	664
Applicable Applications for anti-ATRIP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATRIP around the phosphorylation site of Serine 68
Subcellular Location	Nucleus. Redistributes to discrete nuclear foci upon DNA damage.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (89%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Epitope	Phospho Ser68
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

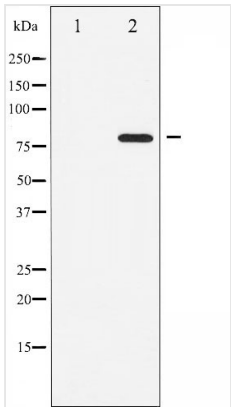
IMAGES



IF (Immunofluorescence)
AAA321756 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of Phospho-ATRIP (Ser68) expression in various lysates



WB (Western Blot)
Western blot analysis of ATRIP phosphorylation expression in NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATRIP antibody	Description: ATRIP is required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.
	Function: Required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.
	Subunit Structure: Interacts with ATR (By similarity). Heterodimer with ATR. The heterodimer binds the RPA complex and is then recruited to single-stranded DNA. Interacts with CEP164 (via N-terminus). Interacts with CINP.
	Post-translational Modifications: Phosphorylated by ATR.
	Similarity: The EEXXXDDL motif is required for the interaction with catalytic subunit PRKDC and its recruitment to sites of DNA damage. Belongs to the ATRIP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	402534571
NCBI GeneID	84126
NCBI Accession #	NP_001257951.1
NCBI GenBank Nucleotide #	NM_001271022.1
UniProt Accession #	Q8WXE1; Q69YK9; Q8NHQ2; Q8WUG7; Q96CL3; Q9HA30; A8K6A3; A8K714; B2RCE7; B4DU92; B5MEB7
Molecular Weight	Observed: 80 kDa Predicted: 86 kDa

NCBI Official Full Name	ATR-interacting protein isoform 3
NCBI Official Synonym Full Names	ATR interacting protein
NCBI Official Symbol	ATRIP
NCBI Protein Information	ATR-interacting protein
UniProt Protein Name	ATR-interacting protein
UniProt Gene Name	ATRIP
UniProt Synonym Gene Names	AGS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atrip-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321756>