

Rabbit ATR Polyclonal Antibody | anti-ATR antibody

ATR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303888	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

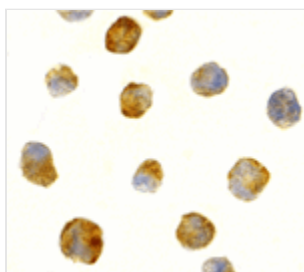
PRODUCT SYNONYMS

ATR; Polyclonal Antibody; ATR Antibody; TEM8; anti-ATR antibody

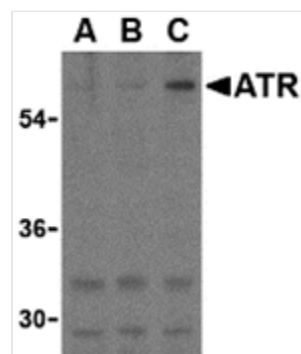
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	ATR antibody will recognize only the largest isoform.
Purity/Purification	Ion exchange chromatography purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	368
Applicable Applications for anti-ATR antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 13 amino acids near the C-terminus of human ATR.
Target Name	ATR
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of ATR in K562 cells with ATR antibody at 2 ug/mL.


WB (Western Blot)

Western blot analysis of ATR in K562 cell lysates with ATR antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATR antibody	The Anthrax toxin receptor (ATR) was initially discovered as the tumor endothelial marker 8 (TEM8). This protein, which exists in three isoforms (36, 40, and 60 kDa), is highly expressed in tumor vessels as well as in the vasculature of developing embryos, suggesting that it may normally play a role in angiogenesis. However, it also acts as the receptor for anthrax toxin. Following the binding of this protein by the protective antigen (PA) of anthrax, PA is cleaved and heptamerizes to form the binding site for both edema factor (EF) and lethal factor (LF). This complex is then endocytosed by the cell; acidification in endosomes allows the release of EF and LF into the cytoplasm where they interfere with MAPK signaling and induce apoptosis.
Product Categories/Family for anti-ATR antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933551
NCBI GeneID	84168
NCBI Accession #	NP_444262
NCBI GenBank Nucleotide #	NM_053034.2
Molecular Weight	39,742 Da
NCBI Official Full Name	anthrax toxin receptor 1 isoform 2
NCBI Official Synonym Full Names	anthrax toxin receptor 1
NCBI Official Symbol	ANTXR1
NCBI Official Synonym Symbols	ATR; GAPO; TEM8
NCBI Protein Information	anthrax toxin receptor 1
UniProt Protein Name	Anthrax toxin receptor 1
UniProt Gene Name	ANTXR1
UniProt Synonym Gene Names	ATR; TEM8
UniProt Entry Name	ANTR1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/atr-antibody-immunocytochemistry-western-blot-elisa/303888>