

Rabbit ATR Polyclonal Antibody | anti-ANTXR1 antibody

ATR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39865	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

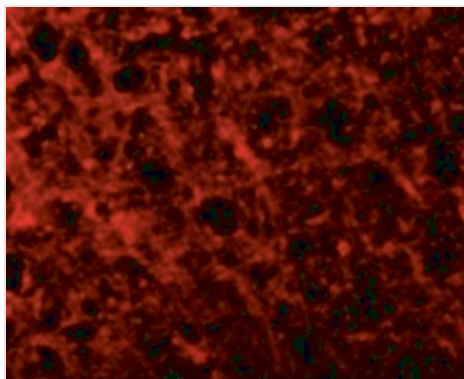
PRODUCT SYNONYMS

ATR; Polyclonal Antibody; ATR Antibody; GAPO; TEM8; Anthrax toxin receptor 1; Tumor endothelial marker 8; anthrax toxin receptor 1; anti-ANTXR1 antibody

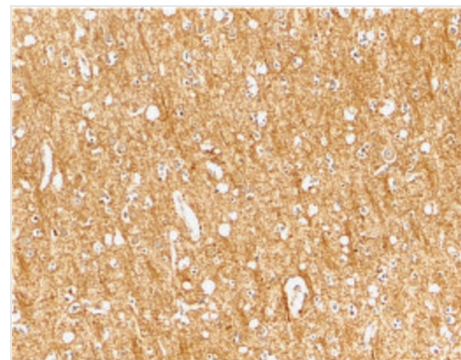
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Will recognize all three isoforms.
Purity/Purification	ATR Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	368
Applicable Applications for anti-ANTXR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATR antibody was raised against a peptide corresponding to 13 amino acids near the center of human ATR.
Buffer	ATR Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATR antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.

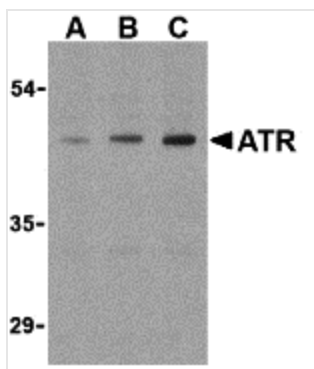
IMAGES


IF (Immunofluorescence)

Immunofluorescence of ATR in Human Brain tissue with ATR antibody at 10 ug/mL.


IHC (Immunohistochemistry)

Immunohistochemical staining of human brain tissue using ATR antibody at 2 ug/mL.



WB (Western Blot)

Western blot analysis of ATR in HepG2 cell lysates with ATR antibody (IN) at (A) 0.5, (B) 1, and (C) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ANTXR1 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933551
NCBI GeneID	84168
NCBI Accession #	NP_444262
NCBI GenBank Nucleotide #	NM_053034.2
UniProt Accession #	Q9H6X2; Q4ZFY6; Q53QD8; Q96P02; Q9NVP3; A8K7U8; J7K7G4; J7KF88
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; 2310008J16Rik; 2810405N18Rik; tumor endothelial marker 8
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-immunofluorescence-immunohistochemistry-western-blot-elisa/39865>