

Rabbit TEM8 Polyclonal Antibody | anti-ANTXR1 antibody

TEM8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329010	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(88%), Chicken(100%)	ELISA

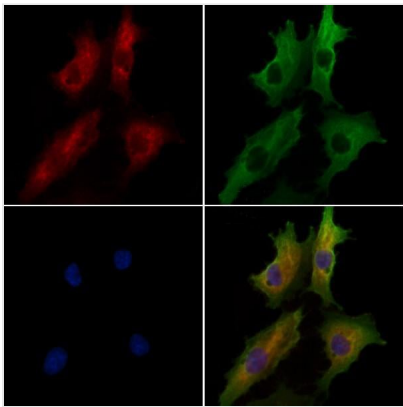
PRODUCT SYNONYMS

TEM8; Polyclonal Antibody; TEM8 Antibody; Anthrax toxin receptor 1; ANTR1_HUMAN; Antxr1; ATR; Tumor endothelial marker 8; anti-ANTXR1 antibody

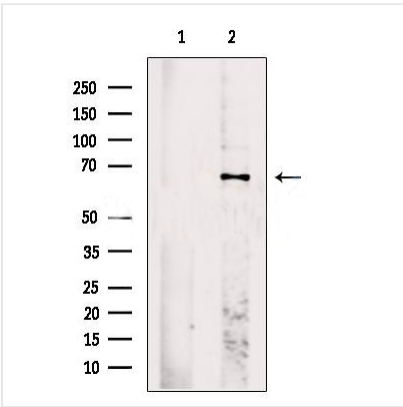
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(88%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	TEM8 Antibody detects endogenous levels of total TEM8.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	333
Applicable Applications for anti-ANTXR1 antibody	ELISA
Immunogen	A synthesized peptide derived from human TEM8, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA329010 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329010) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)
Western blot analysis of extracts from Myeloma cells, using TEM8 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ANTXR1 antibody	Function: Plays a role in cell attachment and migration. Interacts with extracellular matrix proteins and with the actin cytoskeleton. Mediates adhesion of cells to type 1 collagen and gelatin, reorganization of the actin cytoskeleton and promotes cell spreading. Plays a role in the angiogenic response of cultured umbilical vein endothelial cells.
	Subcellular Location: Cell membrane>Single-pass type I membrane protein. Cell projection>Lamellipodium membrane>Single-pass type I membrane protein. Cell projection>Filopodium membrane>Single-pass type I membrane protein. Note: At the membrane of lamellipodia and at the tip of actin-enriched filopodia. Colocalizes with actin at the base of lamellipodia.
	Tissue Specificity: Detected in umbilical vein endothelial cells (at protein level). Highly expressed in tumor endothelial cells.
	Subunit Structure: Interacts with gelatin and type 1 collagen. Interacts with the actin cytoskeleton. Binds to the protective antigen (PA) of Bacillus anthracis. Binding does not occur in the presence of calcium.
	Similarity: Binding to PA occurs through the VWA domain. Belongs to the ATR family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933553
NCBI GeneID	84168
NCBI Accession #	NP_060623.2
NCBI GenBank Nucleotide #	NP_060623.2
UniProt Accession #	Q9H6X2
Molecular Weight	Observed Molecular Weight: (Observed)62kD. Predicted Molecular Weight: (Calculated)63kDa.
NCBI Official Full Name	anthrax toxin receptor 1 isoform 3
NCBI Official Synonym Full Names	ANTXR cell adhesion molecule 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tem8-antibody-elisa/329010>