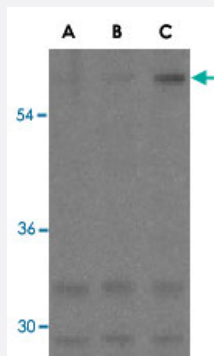


ANTXR1 polyclonal antibody

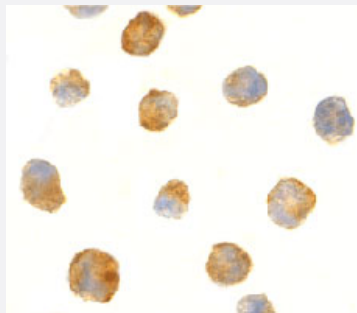
Catalog # PAB13110 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ANTXR1 in K-562 cell lysates with ANTXR1 polyclonal antibody (Cat # PAB13110) at (A) 0.5, (B) 1, and (C) 2 ug/mL .



Immunocytochemistry

Immunocytochemistry of ANTXR1 in K-562 cells with ANTXR1 polyclonal antibody (Cat # PAB13110) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ANTXR1.
Immunogen	A synthetic peptide corresponding to C-terminus13 amino acids of human ANTXR1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	ATR will recognize only the largest isoform.
Form	Liquid

Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of ANTXR1 in K-562 cell lysates with ANTXR1 polyclonal antibody (Cat # PAB13110) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

- Immunocytochemistry

Immunocytochemistry of ANTXR1 in K-562 cells with ANTXR1 polyclonal antibody (Cat # PAB13110) at 2 ug/mL .

Gene Info — ANTXR1

Entrez GeneID	84168
Protein Accession#	NP_444262
Gene Name	ANTXR1
Gene Alias	ATR, FLJ10601, FLJ11298, FLJ21776, TEM8
Gene Description	anthrax toxin receptor 1
Omim ID	606410
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq]
Other Designations	2310008J16Rik 2810405N18Rik tumor endothelial marker 8

Publication Reference

- [Identification of the cellular receptor for anthrax toxin.](#)

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- [Cell surface tumor endothelial markers are conserved in mice and humans.](#)

Carson-Walter EB, Watkins DN, Nanda A, Vogelstein B, Kinzler KW, St Croix B.

Cancer Research 2001 Sep; 61(18):6649.

- [Proteolytic inactivation of MAP-kinase-kinase by anthrax lethal factor.](#)

Duesbery NS, Webb CP, Leppla SH, Gordon VM, Klimpel KR, Copeland TD, Ahn NG, Oskarsson MK, Fukasawa K, Paull KD, Vande Woude GF.

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