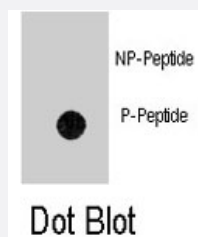


ANTXR1 (phospho Y382) polyclonal antibody

Catalog # PAB8155 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of ANTXR1 (phospho Y382) polyclonal antibody (Cat # PAB8155) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ANTXR1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y382 of human ANTXR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

Dot blot analysis of ANT XR1 (phospho Y382) polyclonal antibody (Cat # PAB8155) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — ANT XR1

Entrez GeneID [84168](#)

Protein Accession# [NP_115584;Q9H6X2](#)

Gene Name ANT XR1

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

- [Anthrax toxin receptor 1/tumor endothelium marker 8 mediates cell spreading by coupling extracellular ligands to the actin cytoskeleton.](#)

Werner E, Kowalczyk AP, Faundez V.

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- [The LDL receptor-related protein LRP6 mediates internalization and lethality of anthrax toxin.](#)

Wei W, Lu Q, Chaudry GJ, Leppla SH, Cohen SN.

Cell 2006 Mar; 124(6):1141.

- [Receptor-specific requirements for anthrax toxin delivery into cells.](#)

Rainey GJ, Wigelsworth DJ, Ryan PL, Scobie HM, Collier RJ, Young JA.

PNAS 2005 Sep; 102(37):13278.