

ANTXR1(Y382) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22490a

Product Information

Application	WB, E
Primary Accession	Q9H6X2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R05306NP
Calculated MW	62789

Additional Information

Gene ID	84168
Other Names	Anthrax toxin receptor 1, Tumor endothelial marker 8, ANTXR1 {ECO:0000303 PubMed:22912819, ECO:0000312 HGNC:HGNC:21014}
Target/Specificity	This ANTXR1(Y382) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human ANTXR1(Y382).
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ANTXR1(Y382) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANTXR1 {ECO:0000303 PubMed:22912819, ECO:0000312 HGNC:HGNC:21014}
Function	Plays a role in cell attachment and migration. Interacts with extracellular matrix proteins and with the actin cytoskeleton and thereby plays an important role in normal extracellular matrix (ECM) homeostasis. 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. May also act as a receptor for PLAU. Upon ligand binding, stimulates the phosphorylation of EGFR and ERK1/2 (PubMed:[30241478](#)).

Cellular 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 (PubMed:16762926). Colocalizes with actin at the base of lamellipodia (PubMed:16762926)

Tissue Location

Detected in umbilical vein endothelial cells (at protein level). Highly expressed in tumor endothelial cells

Background

Plays a role in cell attachment and migration. Interacts with extracellular matrix proteins and with the actin cytoskeleton and thereby plays an important role in normal extracellular matrix (ECM) homeostasis. 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. May also act as a receptor for PLAU. Upon ligand binding, stimulates the phosphorylation of EGFR and ERK1/2 (PubMed:[30241478](#)).

References

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.