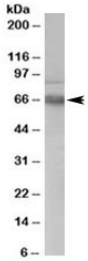
ATR Antibody / ANTXR1 Antibody (R35537)

Catalog No.	Formulation	Size
R35537-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Rat, Dog, Cow
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	84168
Applications	Western blot: 0.2-1ug/ml ELISA (peptide) LOD: 1:64000
Limitations	This ATR Antibody / ANTXR1 Antibody is available for research use only.



ATR Antibody Human PBMC WB. Western blot analysis of ATR Antibody / ANTXR1 Antibody detected a prominent band at approximately 63 kDa in human PBMC lysate, consistent with the cleaved PA63 form of ANTXR1 (full-length receptor approximately 83 kDa). The membrane was incubated with ATR antibody at 0.3 ug/ml followed by an HRP-conjugated secondary antibody for chemiluminescent detection. This ATR Antibody, also known as an ANTXR1 antibody, is suitable for detecting endogenous Anthrax Toxin Receptor 1 in human immune cell lysates.

Description

ATR Antibody / ANTXR1 Antibody recognizes Anthrax Toxin Receptor 1 (ANTXR1), also known as Tumor Endothelial Marker 8 (TEM8), a type I transmembrane receptor that interacts with extracellular matrix proteins and functions in vascular biology, tissue remodeling and cell adhesion. ANTXR1 is widely expressed in endothelial cells, fibroblasts and several other cell types, where it helps regulate communication between cells and their surrounding microenvironment. In addition to its physiological functions, ANTXR1 serves as the cellular receptor for anthrax protective antigen, making it an

important target in both infectious disease and cancer research. NSJ Bioreagents offers ATR antibodies for investigating receptor biology, angiogenesis and extracellular matrix regulation.

ANTXR1 has attracted significant attention because of its elevated expression in tumor-associated vasculature and numerous solid tumors. The receptor contributes to extracellular matrix remodeling, endothelial cell migration and angiogenic processes that support tumor growth. These findings have led to increasing interest in ANTXR1 as a potential therapeutic target for antibody-based therapies and anti-angiogenic approaches. Beyond oncology, ATR participates in normal tissue development, wound repair and maintenance of connective tissue architecture, highlighting its broad biological importance.

Researchers frequently examine ANTXR1 expression to investigate receptor localization, extracellular matrix interactions and signaling pathways involved in vascular remodeling. Studies also explore how altered receptor expression influences tumor progression, fibrosis and tissue homeostasis. Detection of ANTXR1 can provide valuable insight into endothelial biology, extracellular matrix organization and mechanisms underlying both physiological development and pathological disease processes.

An ATR Antibody is a valuable reagent for detecting ANTXR1 by Western blotting, immunohistochemistry, immunofluorescence, flow cytometry and related immunoassays. An ANTXR1 Antibody supports studies of receptor expression, extracellular matrix biology, angiogenesis and tumor-associated vascular function.

For additional information on receptor biology, angiogenesis and endothelial expression, visit our TEM8 Antibody / Tumor Endothelial Marker Antibody page.

Application Notes

Optimal dilution of the ATR Antibody / ANTXR1 Antibody should be determined by the researcher.

Immunogen

Amino acids RAPPPSRPPPRPSV were used as the immunogen for this ATR antibody.

Storage

Aliquot and store the ATR antibody at -20oC.

Alternate Names

ATR antibody, ANTXR1 antibody, Anthrax Toxin Receptor antibody, Anthrax Toxin Receptor 1 antibody, TEM8 antibody, Tumor Endothelial Marker 8 antibody

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