

TEM-8/ATR1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10505**Specification**

TEM-8/ATR1 Antibody - Product Information

Application	WB
Primary Accession	O9CZ52
Other Accession	AAL11999
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62308

TEM-8/ATR1 Antibody - Additional Information**Gene ID** 69538

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~80-85 kDa doublet of TME8 in samples from human, mouse and rat origins. Reactivity to other species has not been tested.
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Other Names

Tumor Endothelial Marker 8 , TEM-8, TEM8 , ATR , FLJ10601 , FLJ11298 , FLJ21776

Target/Specificity

TEM-8

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2mg/ml) affinity purified rabbit anti-TEM8/ATR1 polyclonal antibody in phosphate-buffered saline (PBS) containing 0.5% BSA, 30% glycerol, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

TEM-8/ATR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TEM-8/ATR1 Antibody - Protein Information

Name Antxr1

Synonyms Atr, Tem8 {ECO:0000303|PubMed:11559528}

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.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9H6X2}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9H6X2} Cell projection, lamellipodium membrane {ECO:0000250|UniProtKB:Q9H6X2}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9H6X2} Cell projection, filopodium membrane {ECO:0000250|UniProtKB:Q9H6X2}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9H6X2} Note=At the membrane of lamellipodia and at the tip of actin-enriched filopodia. Colocalizes with actin at the base of lamellipodia {ECO:0000250|UniProtKB:Q9H6X2}

TEM-8/ATR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TEM-8/ATR1 Antibody - Images**TEM-8/ATR1 Antibody - Background**

Tumor Endothelial Markers (TEMs, TEM 1-9) are recently identified genes, whose expression is elevated in tumor-associated endothelium. TEMs are barely detectable in normal endothelial cells. TEM8 has been shown to interact with C5 domain of collagen $\alpha 3(\text{VI})$, a protein also preferentially expressed in tumor endothelium. It is thought that TEM8 may play a role in tumor angiogenesis.