

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

---

**TEM-8/ATR1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9CZ52</a>
Other Accession	<a href="#">AAL11999</a>
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.
---------------------	--

**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.