

Anti-TIAM1 Picoband Antibody
Catalog # ABO11721**Specification**

Anti-TIAM1 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q13009
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for T-lymphoma invasion and metastasis-inducing protein 1(TIAM1) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TIAM1 Picoband Antibody - Additional Information

Gene ID 7074

Other Names

T-lymphoma invasion and metastasis-inducing protein 1, TIAM-1, TIAM1

Calculated MW

177508 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Detected at the boundary between cells with actin-rich protrusions (By similarity). Presence of KRIT1, CDH5 and RAP1B is required for its localization to the cell junction. .

Tissue Specificity

Found in virtually all analyzed tumor cell lines including B- and T-lymphomas, neuroblastomas, melanomas and carcinomas.

Protein Name

T-lymphoma invasion and metastasis-inducing protein 1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human TIAM1 (1518-1554aa ASVDRDLQERLQATSISQREGRKTLDSHASRMAQLK), different from the related mouse sequence by

five amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-TIAM1 Picoband Antibody - Protein Information

Name TIAM1 {ECO:0000303|PubMed:7731688, ECO:0000312|HGNC:HGNC:11805}

Function

Guanyl-nucleotide exchange factor that activates RHO-like proteins and connects extracellular signals to cytoskeletal activities. Activates RAC1, CDC42, and to a lesser extent RHOA and their downstream signaling to regulate processes like cell adhesion and cell migration.

Cellular Location

Cell junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Detected at the boundary between cells with actin-rich protrusions (By similarity). Presence of KRIT1, CDH5 and RAP1B is required for its localization to the cell junction

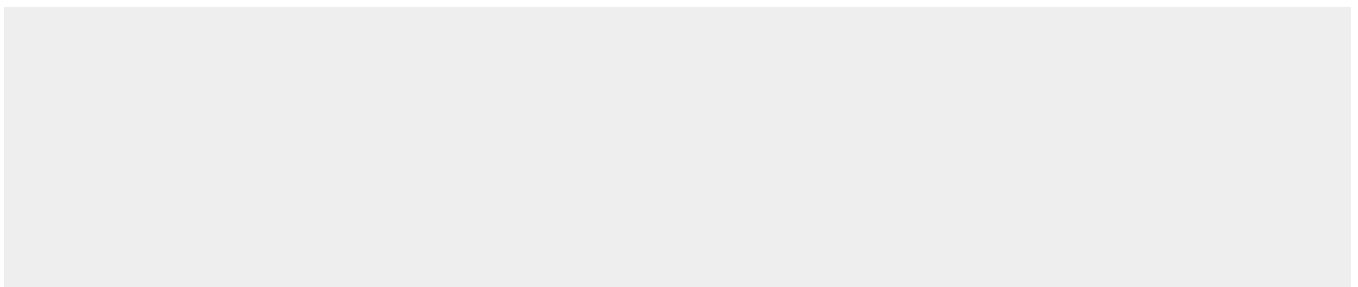
Tissue Location

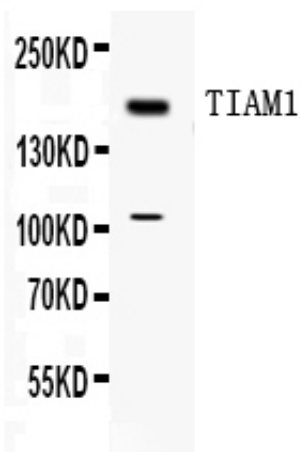
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Anti-TIAM1 Picoband Antibody - Protocols

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](#)

Anti-TIAM1 Picoband Antibody - Images



Western blot analysis of TIAM1 expression in MCF-7 whole cell lysates (lane 1). TIAM1 at 178KD was detected using rabbit anti- TIAM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO11721) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-TIAM1 Picoband Antibody - Background

T-cell lymphoma invasion and metastasis-inducing protein 1 is a protein that in humans is encoded by the TIAM1 gene. This gene is mapped to 21q22.11. TIAM1 modulates the activity of Rho GTP-binding proteins and connects extracellular signals to cytoskeletal activities. In addition, TIAM1 activates Rac1, CDC42, and to a lesser extent RhoA.