10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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 NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human TIAM1 (1518-1554aa ASVDRDLQERLQATSISQRERGRKTLDSHASRMAQLK), 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 r˚Constitution, 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
Found in virtually all analyzed tumor cell lines including B- and T-lymphomas, neuroblastomas, melanomas and carcinomas

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 Cytomety
- Cell Culture

Anti-TIAM1 Picoband Antibody - Images

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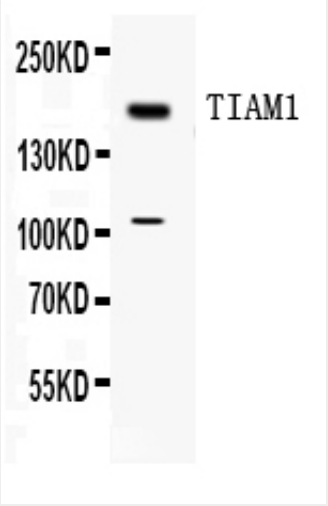

Western blot analysis of TIAM1 expression in MCF-7 whole cell lysates (lane 1). TIAM1 at 178KD was detected using rabbit anti- TIAM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO11721) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

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.