

Anti-TIAM1 Picoband Antibody

Catalog # ABO11721

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.

Additional Information

Gene ID	7074
Other Names	T-lymphoma invasion and metastasis-inducing protein 1, TIAM-1, TIAM1
Calculated MW	177508
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.
Source	Eukaryota
Protein Name	T-lymphoma invasion and metastasis-inducing protein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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 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.

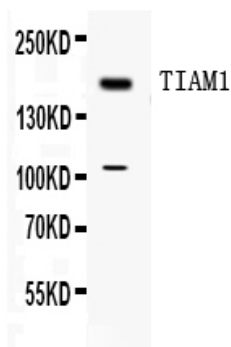
Protein Information

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

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.

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 .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.