

## **Goat Anti-TIAM1 Antibody**

Peptide-affinity purified goat antibody Catalog # AF4326a

## **Specification**

## **Goat Anti-TIAM1 Antibody - Product Information**

Application IF, FC
Primary Accession 013009

Other Accession NP 003244, NP 001340613.1, NP 001340614.1,

NP 001340615.1, NP 001340616.1

Reactivity
Predicted
Human
Host
Clonality
Concentration
Human
Goat
Polyclonal
100ug/200ul

Isotype IgG Calculated MW 177508

### **Goat Anti-TIAM1 Antibody - Additional Information**

## **Gene ID 7074**

#### **Other Names**

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

#### **Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### **Immunogen**

Peptide with sequence C-EDFAPSRKLNTEI, from the C Terminus of the protein sequence according to NP\_003244; NP\_001340613.1; NP\_001340614.1; NP\_001340615.1; NP\_001340616.1.

## **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Goat Anti-TIAM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Goat Anti-TIAM1 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**

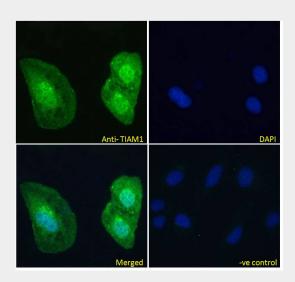
Found in virtually all analyzed tumor cell lines including B- and T-lymphomas, neuroblastomas, melanomas and carcinomas

# **Goat Anti-TIAM1 Antibody - Protocols**

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

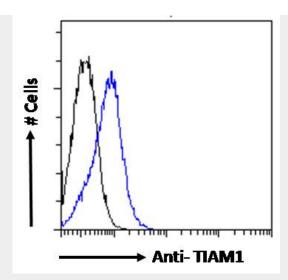
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Goat Anti-TIAM1 Antibody - Images



AF4326a Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).





AF4326a Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.