10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-TIAM1 Antibody

Peptide-affinity purified goat antibody
Catalog # AF4326a

Product Information

Application	IF, FC, E
Primary Accession	Q13009
Other Accession	NP_003244, NP_001340613.1, NP_001340614.1, NP_001340615.1, NP_001340616.1
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Calculated MW	177508

Additional Information

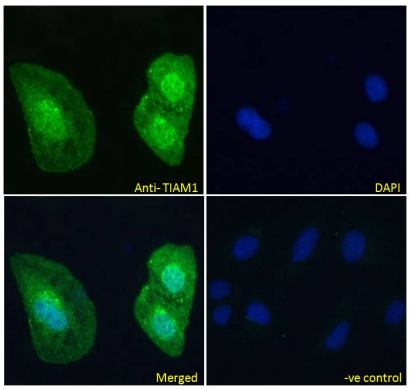
Gene ID	7074
Other Names	T-lymphoma invasion and metastasis-inducing protein 1, TIAM-1, TIAM1
Dilution	IF~~1:50~200 FC~~1:10~50 E~~N/A
Format	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Immunogen	Peptide with sequence C-EDFAPSRKLNTEI, from the C Terminus of the 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.

Protein Information

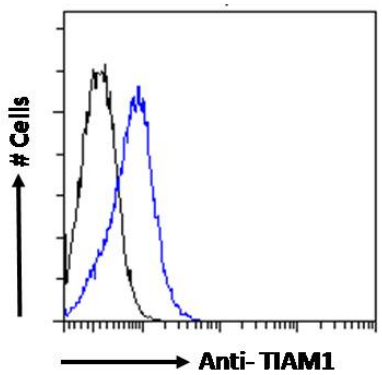
Name	TIAM1 {ECO:0000303|PubMed:7731688, ECO:0000312|HGNC:HGNC:11805}
Function	Guanyl-nucleotide exchange factor that activates RHO-like proteins and connects extracellular signals to cytoskeletal activities. Activates RAC1, CDC42, and to a lesser extent RHOA and their downstream signaling to regulate 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

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.