

**TIAM2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13610a****Specification**

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**TIAM2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8IVF5</a>
Other Accession	<a href="#">Q6ZPF3</a>
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	357-385

**TIAM2 Antibody (N-term) - Additional Information****Gene ID** 26230**Other Names**

T-lymphoma invasion and metastasis-inducing protein 2, TIAM-2, SIF and TIAM1-like exchange factor, TIAM2, KIAA2016, STEF

**Target/Specificity**

This TIAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 357-385 amino acids of human TIAM2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

TIAM2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TIAM2 Antibody (N-term) - Protein Information****Name** TIAM2**Synonyms** KIAA2016, STEF

**Function** Modulates the activity of RHO-like proteins and connects extracellular signals to cytoskeletal activities. Acts as a GDP- dissociation stimulator protein that stimulates the GDP-GTP exchange activity of RHO-like GTPases and activates them. Mediates extracellular laminin signals to activate Rac1, contributing to neurite growth. Involved in lamellipodial formation and advancement of the growth cone of embryonic hippocampal neurons. Promotes migration of neurons in the cerebral cortex. When overexpressed, induces membrane ruffling accompanied by the accumulation of actin filaments along the altered plasma membrane (By similarity). Activates specifically RAC1, but not CDC42 and RHOA.

#### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, filopodium {ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q6ZPF3}. Perikaryon {ECO:0000250|UniProtKB:Q6ZPF3}

#### Tissue Location

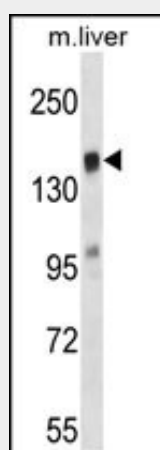
Expressed in the occipital, frontal and temporal lobes, cerebellum, putamen and testis.

### TIAM2 Antibody (N-term) - 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](#)

### TIAM2 Antibody (N-term) - Images



TIAM2 Antibody (N-term) (Cat. #AP13610a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the TIAM2 antibody detected the TIAM2 protein (arrow).

### TIAM2 Antibody (N-term) - Background

This gene encodes a guanine nucleotide exchange factor. A

highly similar mouse protein specifically activates ras-related C3 botulinum substrate 1, converting this Rho-like guanosine triphosphatase (GTPase) from a guanosine diphosphate-bound inactive state to a guanosine triphosphate-bound active state. The encoded protein may play a role in neural cell development. Alternatively spliced transcript variants encoding different isoforms have been described.

#### **TIAM2 Antibody (N-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Rabizadeh, S., et al. Cytokine Growth Factor Rev. 14 (3-4), 225-239 (2003) :  
Salehi, A.H., et al. J. Biol. Chem. 277(50):48043-48050(2002)  
Yoshizawa, M., et al. Mech. Dev. 113(1):65-68(2002)  
Harrington, A.W., et al. J. Neurosci. 22(1):156-166(2002)