

TIAM2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3405a**Specification**

TIAM2 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q8IVF5
Other Accession	NP_036586.2 , NP_001010927.1 , 26230 , 24001 (mouse)
Predicted Host	Human, Mouse, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	190103

TIAM2 Antibody (internal region) - 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

Format

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

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

TIAM2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TIAM2 Antibody (internal region) - 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 (internal region) - 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 (internal region) - Images**TIAM2 Antibody (internal region) - Background**

This antibody is expected to recognize all reported isoforms (NP_036586.2; NP_001010927.1).

TIAM2 Antibody (internal region) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, Behm FM, Drgon T, Johnson C, Uhl GR, Molecular medicine (Cambridge, Mass.) 16 (7-8): 247-53. PMID: 20379614