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TIAM2 Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16144

Specification

TIAM2 Antibody (N-Terminus) - Product Information

Application	**IHC-P, E**
Primary Accession	Q8IVF5
Reactivity	**Human, Monkey**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**190kDa KDa**
Dilution	**IHC-P~~N/A** **E~~N/A**

TIAM2 Antibody (N-Terminus) - 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
Human TIAM2. This antibody is expected to recognize isoform a (NP_036586.2) only.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

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

TIAM2 Antibody (N-Terminus) - 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}

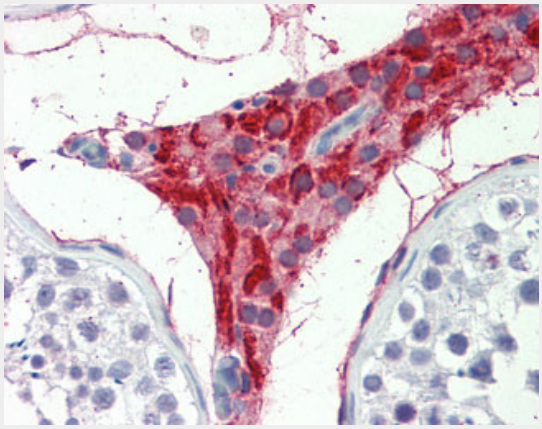
Tissue Location
Expressed in the occipital, frontal and temporal lobes, cerebellum, putamen and testis.

TIAM2 Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TIAM2 Antibody (N-Terminus) - Images



Human, Testis: Formalin-Fixed Paraffin-Embedded (FFPE)

TIAM2 Antibody (N-Terminus) - Background

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.

TIAM2 Antibody (N-Terminus) - References

Chiu C.-Y.,et al.Genomics 61:66-73(1999).

Nagase T.,et al.Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.