

## TIAM2 Rabbit mAb

Catalog # AP76175

#### **Product Information**

**Application** WB, IHC-P, IHC-F, ICC

Primary Accession
Reactivity
Human
Rabbit

**Clonality** Monoclonal Antibody

Calculated MW 190103

#### **Additional Information**

**Gene ID** 26230

Other Names TIAM2

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

### **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

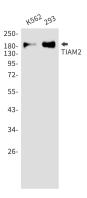
{ECO:0000250 | UniProtKB:Q6ZPF3}. Perikaryon

{ECO:0000250|UniProtKB:Q6ZPF3}

**Tissue Location** 

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

# **Images**



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