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TIAM2 Rabbit mAb

Catalog # AP76175

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q8IVF5
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	190103

Additional Information

Gene ID	26230
Other Names	TIAM2
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:10~50
Format	Liquid in 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

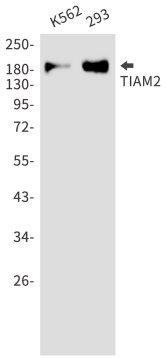
{ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, growth cone
{ECO:0000250|UniProtKB:Q6ZPF3}. Cell projection, neuron projection
{ECO:0000250|UniProtKB:Q6ZPF3}. Perikaryon
{ECO:0000250|UniProtKB:Q6ZPF3}

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

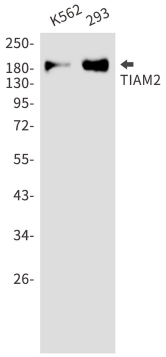
Background

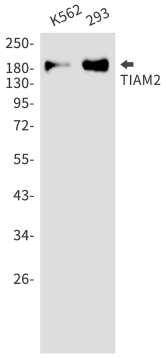
Modulates the activity of RHO-like proteins and connects extracellular signals to cytoskeletal activities. Acts as a GDP-dissociation stimulator protein that stimulates the GDP-GTP exchange activity of RHO-like GTPases and activates them. Mediates extracellular laminin signals to activate Rac1, contributing 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 . Activates specifically RAC1, but not CDC42 and RHOA.

Images



Western blot analysis of TIAM2 in K562, 293 lysates using TIAM2 antibody.





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