

KB541

For research use only

Anti Human TIAM2 Polyclonal Antibody

Code No. KB541
Target TIAM2
Category Cancer
Gene ID 26230
Primary Source HGNC:11806
Synonyms STEF; FLJ41865; TIAM2

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human TIAM2

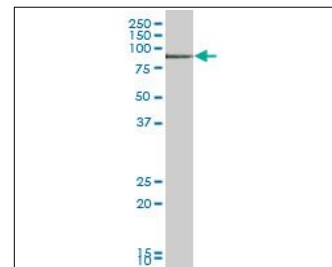
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity Rat
Label Unlabeled
Concentration 0.45 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

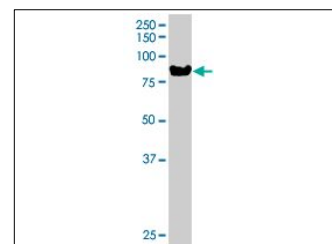
Application WB, FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

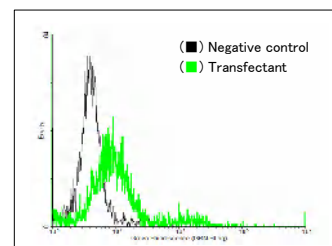
(µg/mL)



[WB] rat brain tissue lysate



[WB] TIAM2 transfected 293T cell lysate



[FCM] TIAM2 expressing 293 cells

Reference

1. Chiu C.-Y., et al. "Cloning and characterization of T-cell lymphoma invasion and metastasis 2 (TIAM2), a novel guanine nucleotide exchange factor related to TIAM1." *Genomics* 61:66-73(1999)
2. Bechtel S., et al. "The full-ORF clone resource of the German cDNA consortium." *BMC Genomics* 8:399-399(2007)
3. The MGC Project Team. "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)." *Genome Res.* 14:2121-2127(2004)

UniPlot Summary

//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.

//Subcellular location: Cytoplasm. Cell projection › lamellipodium. Cell projection › filopodium. Cell projection › growth cone. Note: Localizes to the plasma membrane in neurites.

//Tissue specificity: Expressed in the occipital, frontal and temporal lobes, cerebellum, putamen and testis.

//Sequence similarities: Belongs to the TIAM family. Contains 1 DH (DBL-homology) domain. Contains 1 PDZ (DHR) domain. Contains 2 PH domains. Contains 1 RBD (Ras-binding) domain.