ARG54684
anti-TAB1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TAB1
Tested Reactivity	Hu, Ms
Tested Application	ELISA, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TAB1
Immunogen	Synthetic peptide (13 aa) within aa. 220-270 of Human TAB1.
Conjugation	Un-conjugated
Alternate Names	MAP3K7IP1; Mitogen-activated protein kinase kinase kinase 7-interacting protein 1; TGF-beta-activated kinase 1 and MAP3K7-binding protein 1; 3'-Tab1; TGF-beta-activated kinase 1-binding protein 1; TAK1-binding protein 1

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
ICC/IF	1 - 2 µg/ml
WB	0.5 - 2 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	3T3 Cell Lysate

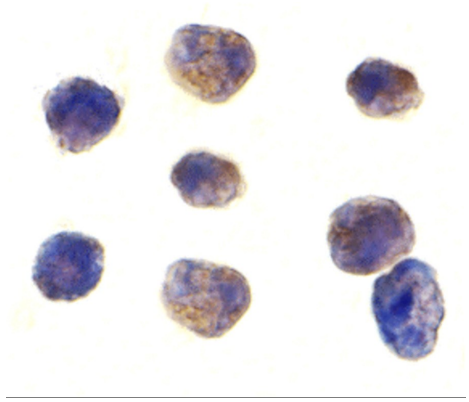
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

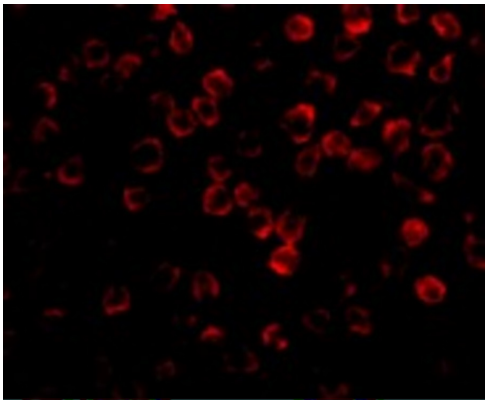
Database links	GeneID: 10454 Human GeneID: 66513 Mouse Swiss-port # Q15750 Human Swiss-port # Q8CF89 Mouse
Gene Symbol	TAB1
Gene Full Name	TGF-beta activated kinase 1/MAP3K7 binding protein 1
Background	TAB1 was identified as a regulator of the MAP kinase kinase kinase TAK1/MAP3K7, which is known to mediate various intracellular signaling pathways, such as those induced by TGF-beta and members of the Toll-IL-1R (TIR) superfamily, thus acting as an intermediate in both proliferative and innate and adaptive immune responses. This protein, together with either TAB2 or TAB3, activates TAK1 kinase in response to upstream signals. It has been shown that the C-terminal portion of TAB1 is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF-beta, demonstrating how this protein can function as a mediator between TGF-beta receptors and TAK1.
Function	May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	55 kDa
PTM	Monoubiquitinated. Deubiquitinated by Y.enterocolitica YopP.

Images



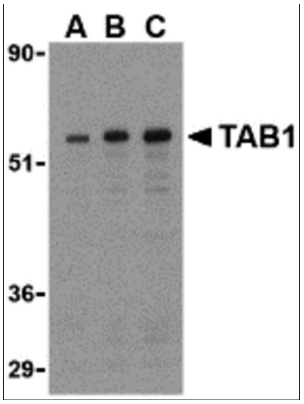
ARG54684 anti-TAB1 antibody ICC/IF image

Immunocytochemistry: K562 cells stained with ARG54684 anti-TAB1 antibody at 1 µg/ml.



ARG54684 anti-TAB1 antibody ICC/IF image

Immunofluorescence: 3T3 cells stained with ARG54684 anti-TAB1 antibody at 2 µg/ml.



ARG54684 anti-TAB1 antibody WB image

Western blot: 3T3 cell lysate stained with ARG54684 anti-TAB1 antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.