



Datasheet for ABIN801873
anti-TAB1 antibody (AA 601-712)



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Overview

Quantity:	100 µL
Target:	TAB1
Binding Specificity:	AA 601-712
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TAB3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TAB1
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Target Details

Alternative Name: [TAB1 \(TAB1 Products\)](#)

Background: Synonyms: MAP3K7IP 3, Mitogen activated protein kinase kinase kinase 7 interacting protein 3, Mitogen-activated protein kinase kinase kinase 7-interacting protein 3, NAP1, NF kappa B activating protein 1, NF-kappa-B-activating protein 1, NFkB activating protein 1, TAB-3, TAB3, TAB3_HUMAN, TAK1 binding protein 3, TAK1-binding protein 3, TGF-beta-activated kinase 1 and MAP3K7-binding protein 3, TGF-beta-activated kinase 1-binding protein 3.

Background: The product of this gene functions in the NF-kappaB signal transduction pathway. The encoded protein, and the similar and functionally redundant protein MAP3K7IP2/TAB2, forms a ternary complex with the protein kinase MAP3K7/TAK1 and either TRAF2 or TRAF6 in response to stimulation with the pro-inflammatory cytokines TNF or IL-1. Subsequent MAP3K7/TAK1 kinase activity triggers a signaling cascade leading to activation of the NF-kappaB transcription factor. The human genome contains a related pseudogene. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Gene ID: 257397

UniProt: [Q8N5C8](#)

Pathways: [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

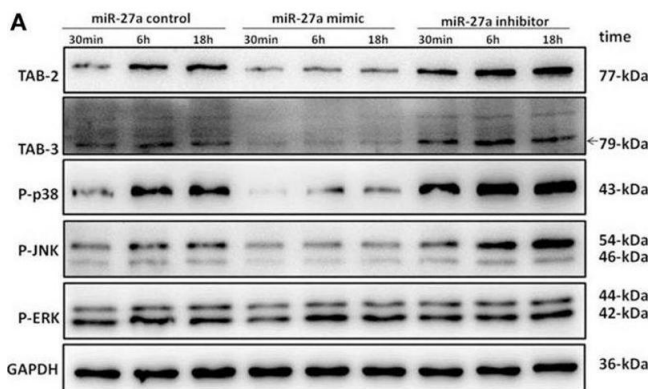
Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Hussain, Zhao, Shah, Wang, Yue, Liao, Sabir, Yang, Zhou et al.: "MicroRNA 27a-3p Regulates Antimicrobial Responses of Murine Macrophages Infected by Mycobacterium avium subspecies paratuberculosis by Targeting Interleukin-10 and TGF- β -Activated Protein Kinase 1 ..." in: **Frontiers in immunology**, Vol. 8, pp. 1915, (2017) ([PubMed](#)).

Images



Western Blotting

Image 1. miR-27a modulates mitogen-activated protein kinase (MAPK) signaling cascades by targeting TGF- β -activated protein kinase 1 binding protein 2 (TAB 2) and TAB 3 in Mycobacterium avium subspecies paratuberculosis (MAP)-infected macrophages. (A) Bone marrow-derived macrophage (BMDM) cells were transfected with 50nM miR-27a control, mimic, and inhibitor for 48h and then infected with MAP (0908) at multiplicity of infection (MOI) of 20:1 (bacteria/cell) for 30 min, 6h, and 18h. The expression levels of TAB 2, TAB 3, p-P38, p-JNK, and p-ERK were detected by Western blot. (B-F) Western blot analysis of protein levels of TAB 2 (B), TAB 3 (C), p-P38 (D), p-JNK (E) s, and p-ERK (F) normalized to GAPDH after transfection with miR-27a control, mimic, and inhibitor for the indicated times. Data represent mean \pm SD from three independent

experiments. * $p < 0.05$, ** $p < 0.001$, and *** $p < 0.001$. - figure provided by CiteAb. Source: PMID29375563