

Datasheet for ABIN7600244
anti-TAB2 antibody (AA 169-522)



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Overview

Quantity:	100 µg
Target:	TAB2
Binding Specificity:	AA 169-522
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TAB2 Antibody Picoband®
Immunogen:	E.coli-derived human TAB2 recombinant protein (Position: Q169-K522).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TAB2 Antibody Picoband® (ABIN7600244). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TAB2
Alternative Name:	TAB2 (TAB2 Products)
Background:	Synonyms: Tumor necrosis factor receptor superfamily member 4, MRC OX40, OX40 antigen, OX40L receptor, CD134, Tnfrsf4, Ox40, Txgp1l Background: Mitogen-activated protein kinase kinase kinase 7-interacting protein 2, also known as TAB2, is an enzyme that in humans is encoded by the MAP3K7IP2 gene. The protein encoded by this gene is an activator of MAP3K7/TAK1, which is required for the IL-1 induced activation of nuclear factor kappaB and MAPK8/JNK. This protein forms a kinase complex with TRAF6, MAP3K7 and TAB1, thus serves as an adaptor linking MAP3K7 and TRAF6. TAB2 functionally links TAK1 to TRAF6. What's more, TAB2 can act as a sensor for inflammatory signals by serving as a molecular beacon for recruitment of MEKK1 (MAP3K1), which in turn mediated dismissal of the NCOR/HDAC complex and permitted derepression of AR and estrogen receptor target genes.
Molecular Weight:	76 kDa
Gene ID:	23118
Pathways:	TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Takaesu, G., Kishida, S., Hiyama, A., Yamaguchi, K., Shibuya, H., Irie, K., Ninomiya-Tsuji, J., Matsumoto, K. TAB2, a novel adaptor protein, mediates activation of TAK1 MAPKKK by linking TAK1 to TRAF6 in the IL-1 signal transduction pathway. <i>Molec. Cell</i> 5: 649-658, 2000. 2. "Entrez Gene: MAP3K7IP2 mitogen-activated protein kinase kinase kinase 7 interacting protein 2" 3. Zhu, P., Baek, S. H., Bourk, E. M., Ohgi, K. A., Garcia-Bassets, I., Sanjo, H., Akira, S., Kotel, P. F., Glass, C. K., Rosenfeld, M. G., Rose, D. W. Macrophage/cancer cell interactions mediate hormone resistance by a nuclear receptor derepression pathway. <i>Cell</i> 124: 615-629, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.