

Datasheet for ABIN6719508 **anti-TANK antibody**

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Overview

Quantity:	100 µg
Target:	TANK
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TANK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-TANK Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TANK, which shares 93.9% amino acid (aa) sequence identity with both mouse and rat TANK.
Sequence:	MDKNIGEQLN KAYEAFRQAC MDRDSAVKEL QQK
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TANK Antibody Picoband® (ABIN6719508). Tested in Flow Cytometry, IHC, IHC-F, WB applications. This antibody reacts with Human, Mouse, Rat. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: TANK

Alternative Name: TANK ([TANK Products](#))

Background: Synonyms: TRAF family member-associated NF-kappa-B activator, TRAF-interacting protein, I-TRAF, TANK, ITRAF, TRAF2

Tissue Specificity: Ubiquitous.

Background: TRAF family member-associated NF-kappa-B activator is a protein that in humans is encoded by the TANK gene. It is mapped to 2q24.2. The TRAF (tumor necrosis factor receptor-associated factor) family of proteins associate with and transduce signals from members of the tumor necrosis factor receptor superfamily. The protein encoded by this gene is found in the cytoplasm and can bind to TRAF1, TRAF2, or TRAF3, thereby inhibiting TRAF function by sequestering the TRAFs in a latent state in the cytoplasm. For example, the protein encoded by this gene can block TRAF2 binding to LMP1, the Epstein-Barr virus transforming protein, and inhibit LMP1-mediated NF-kappa-B activation. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: 48 kDa

Gene ID: 10010

UniProt: [Q92844](#)

Pathways: [p53 Signaling](#), [TLR Signaling](#), [Activation of Innate immune Response](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL

Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL

Immunohistochemistry (Frozen Section), 0.5-1 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

1. Cheng, G., Baltimore, D. TANK, a co-inducer with TRAF2 of TNF- and CD 40L-mediated NF-kappaB activation. Genes Dev. 10: 963-973, 1996. 2. Kaye, K. M., Devergne, O., Harada, J. N., Izumi, K. M., Yalamanchili, R., Kieff, E., Mosialos, G. Tumor necrosis factor receptor associated factor 2 is a mediator of NF-kappa-B activation by latent infection membrane protein 1, the Epstein-Barr virus transforming protein. Proc. Nat. Acad. Sci. 93: 11085-11090, 1996. 3. Rothe, M., Xiong, J., Shu, H.-B., Williamson, K., Goddard, A., Goeddel, D. V. I-TRAF is a novel TRAF-interacting protein that regulates TRAF-

Application Details

mediated signal transduction. Proc. Nat. Acad. Sci. 93: 8241-8246, 1996.

Comment: Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.

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 Na₂HPO₄, 0.05 mg NaN₃.

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.