

Rabbit TANK Polyclonal Antibody | anti-TANK antibody

Anti-TANK Antibody

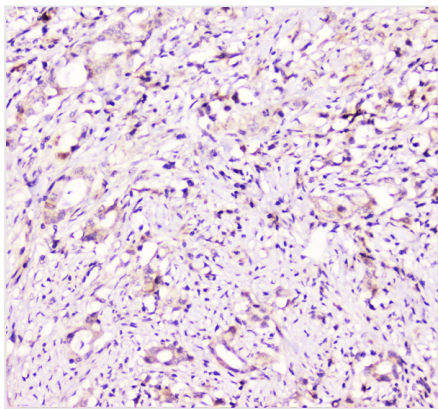
CATALOG # AAA124902	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TANK; Polyclonal Antibody; Anti-TANK Antibody; TRAF family member-associated NF-kappa-B activator; TRAF-interacting protein; I-TRAF; ITRAF; TRAF2; TRAF family member associated NFKB activator; anti-TANK antibody

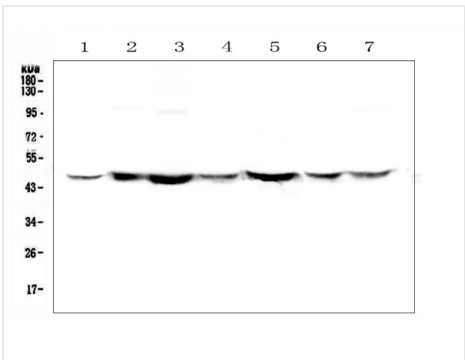
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	117
Applicable Applications for anti-TANK antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human TANK (MDKNIGEQLNKAYEAFRQACMDRDSAVKELQQK).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of TANK using anti-TANK antibody. TANK was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TANK antibody. TANK was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TANK antibody. TANK was detected in paraffin-embedded section of human cholangiocarcinoma tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TANK antibody. TANK was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TANK antibody. TANK was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TANK Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of TANK using anti-TANK antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysate, Lane 2: human placenta tissue lysates, Lane 3: human A549 whole cell lysate, Lane 4: human MDA-MB-453 whole cell lysate, Lane 5: human SW620 whole cell lysate, Lane 6: human 22RV1 whole cell lysate, Lane 7: human SW579 whole cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TANK antigen affinity purified polyclonal antibody at 0.5 ug/ml overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TANK at approximately 48KD. The expected band size for TANK is at 48KD.

ADDITIONAL INFORMATION

Related Product Information for anti-TANK antibody	Description: Rabbit IgG polyclonal antibody for TANK detection. Tested with WB, IHC-P in Human; Mouse; Rat. 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.
References	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-mediated signal transduction. Proc. Nat. Acad. Sci. 93: 8241-8246, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312433953
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NCBI GeneID	10010
NCBI Accession #	NP_001186064.1
NCBI GenBank Nucleotide #	NM_001199135.2
UniProt Accession #	Q92844 ; Q7Z4J6 ; Q92885 ; D3DPB5
Molecular Weight	13,426 Da
NCBI Official Full Name	TRAF family member-associated NF-kappa-B activator isoform a
NCBI Official Synonym Full Names	TRAF family member associated NFkB activator
NCBI Official Symbol	TANK
NCBI Official Synonym Symbols	ITRAF; TRAF2; I-TRAF
NCBI Protein Information	TRAF family member-associated NF-kappa-B activator
UniProt Protein Name	TRAF family member-associated NF-kappa-B activator
UniProt Gene Name	TANK
UniProt Synonym Gene Names	ITRAF; TRAF2; I-TRAF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tank-antibody-immunohistochemistry-western-blot-elisa/124902>