

TANK Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10255**Specification**

TANK Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	O92844
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47816

TANK Antibody - Additional Information**Gene ID** 10010

Application & Usage	Western blotting (0.5-4 µg/ml) and in immunoprecipitation (10-20 µg/ml), and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually. Mouse small intestine tissue lysate can be used as a positive control.
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Other Names

TANK (NT), TRAF family member-associated NF-kappaB activator, I-TRAF

Target/Specificity

TANK

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) affinity purified rabbit anti-TANK polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

TANK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TANK Antibody - Protein Information

Name TANK

Synonyms ITRAF, TRAF2

Function

Adapter protein involved in I-kappa-B-kinase (IKK) regulation which constitutively binds TBK1 and IKKε playing a role in antiviral innate immunity. Acts as a regulator of TRAF function by maintaining them in a latent state. Blocks TRAF2 binding to LMP1 and inhibits LMP1- mediated NF-kappa-B activation. Negatively regulates NF-kappaB signaling and cell survival upon DNA damage (PubMed:25861989). Plays a role as an adapter to assemble ZC3H12A, USP10 in a deubiquitination complex which plays a negative feedback response to attenuate NF-kappaB activation through the deubiquitination of IKKγ or TRAF6 in response to interleukin-1-beta (IL1B) stimulation or upon DNA damage (PubMed:25861989). Promotes UBP10-induced deubiquitination of TRAF6 in response to DNA damage (PubMed:25861989). May control negatively TRAF2- mediated NF-kappa-B activation signaled by CD40, TNFR1 and TNFR2.

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitous.

TANK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TANK Antibody - Images**TANK Antibody - Background**

Members of TRAF family associate with activated TNF-R and CD40 and have been implicated to induce nuclear translocation of NFκB. TANK can bind to all three TRAFs and synergizing with TRAF2 to activate the NFκB signal cascade.