

TANK Blocking Peptide
Catalog # PBV10141b**Specification**

TANK Blocking Peptide - Product Information

Primary Accession	O92844
Gene ID	10010
Calculated MW	47816

TANK Blocking Peptide - Additional Information**Gene ID** 10010**Application & Usage**

The peptide is used for blocking the antibody activity of active TANK. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

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

Target/Specificity

TANK

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

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

TANK Blocking Peptide - Protein Information**Name** TANK**Synonyms** ITRAF, TRAF2**Function**

Adapter protein involved in I-kappa-B-kinase (IKK) regulation which constitutively binds TBK1 and

IKBKE 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 IKBKG 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 Blocking Peptide - 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 Blocking Peptide - Images