

# Phospho-TIFA-T9 Rabbit mAb

Catalog No.: AP1462 **Recombinant**

## Basic Information

### Observed MW

20kDa

### Calculated MW

21kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC66052

## Background

This gene encodes an adapter protein involved in adaptive and innate immunity. This protein includes a forkhead-associated (FHA) domain that specifically binds to phosphorylated serine and threonine residues. In response to bacterial infection, the encoded host cell protein undergoes an intermolecular interaction between the FHA domain and a phosphorylated threonine that leads to protein oligomerization and stimulation of the NF-kappa B and other downstream signaling pathways. This protein exhibits reduced expression in hepatocellular carcinoma and may suppress hepatocellular carcinoma progression. This protein may also play a role in the DNA damage response.

## Recommended Dilutions

**WB** 1:2000 - 1:6000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

92610

**Swiss Prot**

Q96CG3

**Immunogen**

A synthetic phosphorylated peptide around T9 of human TIFA(NP\_443096.1).

**Synonyms**

T2BP; T6BP; TIFAA; Phospho-TIFA-T9

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

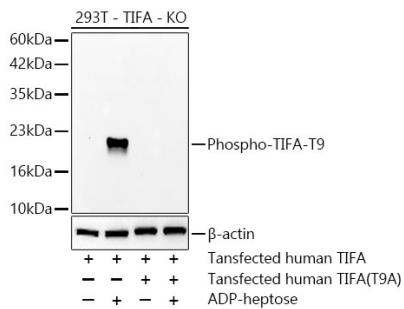
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from TIFA knockout (KO) 293T cells transfected with TIFA or mutational TIFA, using Phospho-TIFA-T9 Rabbit mAb (AP1462) at 1:5000 dilution, 293T cells were treated by ADP-heptose.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.

**WB samples for antibody validation are kindly provided by Dr. Feng Shao, NIBS**