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Phospho-TIFA-T9 Rabbit mAb

Catalog No.: AP1462 Recombinant

Basic Information

Observed MW
21kDa

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
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
T2BP; T6BP; TIFAA; Phospho-TIFA-T9

Contact

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Product Information

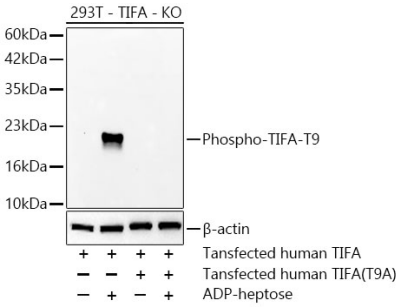
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

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 incubated overnight at 4°C. Human TIFA-transfected TIFA KO 293T cells were treated with ADP-heptose.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg 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