

T6BP (H-85): sc-292903

BACKGROUND

Tumor necrosis factor receptor (TNFR)-associated factors (TRAFs) are a family of proteins that are downstream signal transducers of the TNFR superfamily. The T6BP (also designated T6BP and TXBP151) gene encodes a protein, which functions as a Tax1 (human T-cell leukemia virus type I) binding protein 1 and a TRAF6-interacting protein. T6BP interacts with the N-terminal ring finger and zinc finger domains of TRAF6 through its coiled-coil region. IL-1 induces the TRAF6-T6BP complex depending on the presence of the IL-1 receptor-associated kinase (IRAK). Therefore, TRAF6 exists in two different complexes, TRAF6-IRAK or TRAF6-T6BP after IL-1 stimulation. However, T6BP does not play a direct role in the activation of I κ B kinases or Jun N-terminal kinase. T6BP also binds to T-cell leukemia virus type-I Tax protein. In NIH/3T3 cells, T6BP can inhibit apoptosis induced by TNF, which in turns causes proteolysis of the T6BP protein. In addition, T6BP can interact with A20, which is a Cys2/Cys2 zinc finger protein induced by a variety of inflammatory stimuli, to mediate the anti-apoptotic activity of A20.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TAX1BP1 (human) mapping to 7p15.2; Tax1bp1 (mouse) mapping to 6 B3.

SOURCE

T6BP (H-85) is a rabbit polyclonal antibody raised against amino acids 387-471 mapping within an internal region of T6BP of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

T6BP (H-85) is recommended for detection of T6BP of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

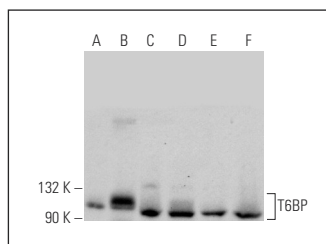
T6BP (H-85) is also recommended for detection of T6BP in additional species, including equine, canine and bovine.

Suitable for use as control antibody for T6BP siRNA (h): sc-106831, T6BP siRNA (m): sc-154029, T6BP shRNA Plasmid (h): sc-106831-SH, T6BP shRNA Plasmid (m): sc-154029-SH, T6BP shRNA (h) Lentiviral Particles: sc-106831-V and T6BP shRNA (m) Lentiviral Particles: sc-154029-V.

Molecular Weight of T6BP: 86 kDa.

Positive Controls: T6BP (h): 293T Lysate: sc-116116, Raji whole cell lysate: sc-364236 or HeLa whole cell lysate: sc-2200.

DATA



T6BP (H-85): sc-292903. Western blot analysis of T6BP expression in non-transfected 293T: sc-117752 (A), human T6BP transfected 293T: sc-116116 (B), Raji (C), HeLa (D), Jurkat (E) and A549 (F) whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **T6BP (H-6): sc-393143** or **T6BP (3098C2a): sc-81390**, our highly recommended monoclonal alternatives to T6BP (H-85).