

TNF α -IP 1 (N-16): sc-82053

BACKGROUND

TNF α -IP 1 (tumor necrosis factor, α -induced protein 1, endothelial), also known as B12, B61, EDP1 or TNFAIP1, is a BTB/POZ domain-containing protein that belongs to the KCTD10/KCTD13/TNFAIP1 family. TNF α -IP 1 contains one BTB/POZ motif, which is known to mediate homomeric and heteromeric POZ-POZ interactions and is common to transcriptional regulators involved in chromatin modeling. The expression of TNF α -IP 1 can be induced by IL-6 (interleukin-6) and by TNF α in the umbilical vein of endothelial cells. TNF α -IP 1 may be involved in DNA repair, DNA synthesis, cell apoptosis and human diseases. TNF α -IP 1 is suggested to play a role in the process of cancer and in the innate immunity against the Hepatitis B virus.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TNFAIP1 (human) mapping to 17q11.2; Tnfaip1 (mouse) mapping to 11 B5.

SOURCE

TNF α -IP 1 (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of TNF α -IP 1 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.

Blocking peptide available for competition studies, sc-82053 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TNF α -IP 1 (N-16) is recommended for detection of TNF α -IP 1 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).

TNF α -IP 1 (N-16) is also recommended for detection of TNF α -IP 1 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for TNF α -IP 1 siRNA (h): sc-76696, TNF α -IP 1 siRNA (m): sc-76697, TNF α -IP 1 shRNA Plasmid (h): sc-76696-SH, TNF α -IP 1 shRNA Plasmid (m): sc-76697-SH, TNF α -IP 1 shRNA (h) Lentiviral Particles: sc-76696-V and TNF α -IP 1 shRNA (m) Lentiviral Particles: sc-76697-V.

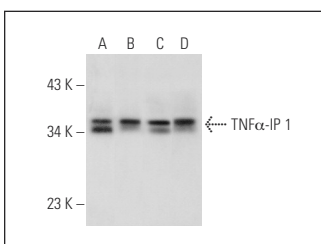
Molecular Weight of TNF α -IP 1: 36 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, IMR-32 cell lysate: sc-2409 or HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TNF α -IP 1 (N-16): sc-82053. Western blot analysis of TNF α -IP 1 expression in IMR-32 (A), HeLa (B), HUV-EC-C (C) and Hep G2 (D) whole cell lysates.

STORAGE

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

RESEARCH USE

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