

# TNF $\alpha$ -IP 8L1 (L-16): sc-82761

## BACKGROUND

Tumor necrosis factor,  $\alpha$ -induced protein 8-like 1, also known as TNF $\alpha$ -IP 8L1, is a 186 amino acid protein belonging to the TNF $\alpha$ -IP 8 family. Members of the TNF $\alpha$ -IP 8 family are induced by nuclear factor- $\kappa$ B 9 (NF $\kappa$ B) and tumor necrosis factor (TNF), although induction by TNF is dependent upon NF $\kappa$ B activation. TNF $\alpha$ -IP 8 proteins also act as a negative mediator of apoptosis and may play a role in tumor progression. They suppress TNF-mediated apoptosis by inhibiting caspase-8 activity but not the processing of procaspase-8, subsequently resulting in inhibition of BID cleavage and caspase-3 activation.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: TNFAIP8L1 (human) mapping to 19p13.3; Tnfaip8l1 (mouse) mapping to 17 D.

## SOURCE

TNF $\alpha$ -IP 8L1 (L-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TNF $\alpha$ -IP 8L1 of human origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-82761 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TNF $\alpha$ -IP 8L1 (L-16) is recommended for detection of TNF $\alpha$ -IP 8L1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Suitable for use as control antibody for TNF $\alpha$ -IP 8L1 siRNA (h): sc-76700, TNF $\alpha$ -IP 8L1 siRNA (m): sc-76701, TNF $\alpha$ -IP 8L1 shRNA Plasmid (h): sc-76700-SH, TNF $\alpha$ -IP 8L1 shRNA Plasmid (m): sc-76701-SH, TNF $\alpha$ -IP 8L1 shRNA (h) Lentiviral Particles: sc-76700-V and TNF $\alpha$ -IP 8L1 shRNA (m) Lentiviral Particles: sc-76701-V.

Molecular Weight of TNF $\alpha$ -IP 8L1: 21 kDa.

## 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) 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.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.