

# TIFAB (C-16): sc-244313

## BACKGROUND

TIFAB (TRAF-interacting protein with FHA domain-containing protein B) is a 161 amino acid protein that contains one FHA domain. While interacting with T2BP, TIFAB inhibits T2BP-mediated TRAF6 activation possibly by inducing a conformational change in T2BP. The gene that encodes TIFAB contains more than 8,000 bases and maps to human chromosome 5q31.1. Containing approximately 181 million base pairs, chromosome 5 comprises nearly 6% of the human genome. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5-associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: TIFAB (human) mapping to 5q31.1; Tifab (mouse) mapping to 13 B1.

## SOURCE

TIFAB (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TIFAB of human origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-244313 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TIFAB (C-16) is recommended for detection of TIFAB 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).

TIFAB (C-16) is also recommended for detection of TIFAB in additional species, including equine, canine and bovine.

Suitable for use as control antibody for TIFAB siRNA (m): sc-154267, TIFAB shRNA Plasmid (m): sc-154267-SH and TIFAB shRNA (m) Lentiviral Particles: sc-154267-V.

Molecular Weight of TIFAB: 18 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> 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<sup>™</sup> 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.