TRAFD1 (C-16): sc-66673



The Power to Question

BACKGROUND

TRAFD1 (TRAF-type zinc finger domain containing 1), also known as FLN29, is a novel 582 amino acid protein that acts as a lipopolysaccharide (LPS)-and interferon (IFN)-inducible negative regulator, and may also play a role in endotoxin tolerance. TRAFD1 also interacts with TRAF6 to negatively regulate toll-like receptor (TLR) signaling. TRAFD1 contains one TRAF-type zinc finger and contains multiple phosphoserine and phosphothreonine residues. The gene encoding TRAFD1 maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TRAFD1 (human) mapping to 12q24.13; Trafd1 (mouse) mapping to 5 F.

SOURCE

TRAFD1 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of TRAFD1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-66673 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRAFD1 (C-16) is recommended for detection of TRAFD1 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).

TRAFD1 (C-16) is also recommended for detection of TRAFD1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TRAFD1 siRNA (h): sc-63145, TRAFD1 siRNA (m): sc-63146, TRAFD1 shRNA Plasmid (h): sc-63145-SH, TRAFD1 shRNA Plasmid (m): sc-63146-SH, TRAFD1 shRNA (h) Lentiviral Particles: sc-63145-V and TRAFD1 shRNA (m) Lentiviral Particles: sc-63146-V.

Molecular Weight of TRAFD1: 65 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 or our catalog for detailed protocols and support products.

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