TFIP11 (N-12): sc-86235



The Power to Question

BACKGROUND

TFIP11 (tuftelin-interacting protein 11), also known as NTR1, TIP39, STIP or hNtr1, is an 837 amino acid protein that belongs to the TFP11/STIP family. TFIP11 localizes to the nucleus as well as the cytoplasm and contains one G-patch domain, which is suggested to be a highly conserved domain of many RNA-processing proteins. Considered a novel splicing factor, TFIP11 may be involved in spliceosome disassembly and may act as a subnuclear storage compartment for splicing components. As a possible enamel protein, TFIP11 is thought to play a role in the differentiation of ameloblasts and odontoblasts or in the formation of the enamel extracellular matrix. Two isforms of TFIP11 exists due to alternative splicing events.

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CHROMOSOMAL LOCATION

Genetic locus: TFIP11 (human) mapping to 22q12.1; Tfip11 (mouse) mapping to 5 $\rm F$.

SOURCE

TFIP11 (N-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of TFIP11 of human origin.

PRODUCT

Each vial contains 100 μg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

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

APPLICATIONS

TFIP11 (N-12) is recommended for detection of TFIP11 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg 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); non cross-reactive with TIP39-2.

TFIP11 (N-12) is also recommended for detection of TFIP11 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for TFIP11 siRNA (h): sc-76671, TFIP11 siRNA (m): sc-154236, TFIP11 shRNA Plasmid (h): sc-76671-SH, TFIP11 shRNA Plasmid (m): sc-154236-SH, TFIP11 shRNA (h) Lentiviral Particles: sc-76671-V and TFIP11 shRNA (m) Lentiviral Particles: sc-154236-V.

Molecular Weight of TFIP11: 97 kDa.

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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