

TFIP11 (E-20): sc-86234

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 isoforms of TFIP11 exists due to alternative splicing events.

CHROMOSOMAL LOCATION

Genetic locus: TFIP11 (human) mapping to 22q12.1; Tfp11 (mouse) mapping to 5 F.

SOURCE

TFIP11 (E-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near 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, sc-86234 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

TFIP11 (E-20) 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 (E-20) is also recommended for detection of TFIP11 in additional species, including equine, 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.

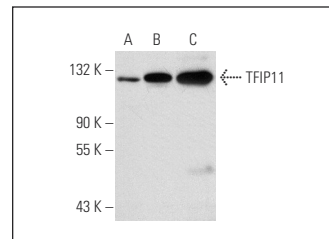
Molecular Weight of TFIP11: 97 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203 or TFIP11 (h4): 293T Lysate: sc-174226.

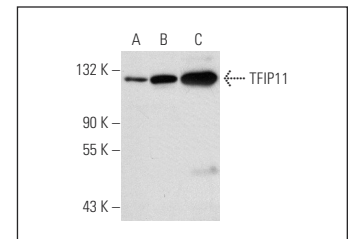
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TFIP11 (E-20): sc-86234. Western blot analysis of TFIP11 expression in non-transfected 293T: sc-117752 (A), human TFIP11 transfected 293T: sc-129936 (B) and K-562 (C) whole cell lysates.



TFIP11 (E-20): sc-86234. Western blot analysis of TFIP11 expression in non-transfected 293T: sc-117752 (A), human TFIP11 transfected 293T: sc-174226 (B) and K-562 (C) whole cell lysates.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **TFIP11 (C-7): sc-393081** or **TFIP11 (D-4): sc-390703**, our highly recommended monoclonal alternatives to TFIP11 (E-20).