

Deltex-4 (S-17): sc-246419

BACKGROUND

The Deltex family of proteins (Deltex-1, 2, 3 and 4) are mammalian homologs of *Drosophila* Deltex. This family contains two WWE domains and a C-terminal RING-finger domain, which are regions that are frequently found in E3 ubiquitin ligases. Deltex-4, also known as RNF155 (RING finger protein 155), is a 619 amino acid cytoplasmic protein that acts as both a negative and positive regulator of Notch, depending on the developmental and cell context. The Notch family of transmembrane receptors is believed to play a central role in development by regulating cell fate decisions. By similarity, Deltex-4 is thought to exist as either a homomultimer or a heteromultimer with other Deltex family members. There are two isoforms of Deltex-4 that are produced as a result of alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DTX4 (human) mapping to 11q12.1; Dtx4 (mouse) mapping to 19 A.

SOURCE

Deltex-4 (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Deltex-4 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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-246419 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Deltex-4 (S-17) is recommended for detection of Deltex-4 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); non cross-reactive with Deltex-1, Deltex-2 or Deltex-3.

Deltex-4 (S-17) is also recommended for detection of Deltex-4 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Deltex-4 siRNA (h): sc-105285, Deltex-4 siRNA (m): sc-142991, Deltex-4 shRNA Plasmid (h): sc-105285-SH, Deltex-4 shRNA Plasmid (m): sc-142991-SH, Deltex-4 shRNA (h) Lentiviral Particles: sc-105285-V and Deltex-4 shRNA (m) Lentiviral Particles: sc-142991-V.

Molecular Weight of Deltex-4: 67/55 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.

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.