

DTX3L (N-16): sc-102497

BACKGROUND

The deltex family is responsible for influencing Notch signaling and may regulate transcription through interactions with specific transcription factors. Deltex proteins have a basic N-terminus, a central proline-rich region and a C-terminal RING-type zinc finger domain, a motif often found in ubiquitin-protein isopeptide ligases (E3). The RING-type zinc finger domain binds two Zn²⁺ atoms and forms a cross-brace motif that is essential for many proteins involved in the ubiquitination pathway. DTX3L (Deltex-3-like), also known as BBAP, is a 740 amino acid protein that is similar to Deltex-3 and acts as a ubiquitin ligase *in vitro*. DTX3L can heterodimerize with Deltex-1, a transcriptional regulator, thereby enhancing the activity of the E3 ubiquitin ligase complex and increasing the influence of E3 on the Notch signaling pathway.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DTX3L (human) mapping to 3q21.1.

SOURCE

DTX3L (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of DTX3L 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 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-102497 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

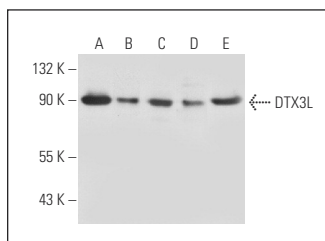
DTX3L (N-16) is recommended for detection of DTX3L of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for DTX3L siRNA (h): sc-78364, DTX3L shRNA Plasmid (h): sc-78364-SH and DTX3L shRNA (h) Lentiviral Particles: sc-78364-V.

Molecular Weight of DTX3L: 84 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, MCF7 nuclear extract: sc-2149 or HL-60 nuclear extract: sc-2147.

DATA



DTX3L (N-16): sc-102497. Western blot analysis of DTX3L expression in A-431 (A), HeLa (B), MCF7 (C) and HL-60 (D) nuclear extracts and A-431 whole cell lysate (E).

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.

MONOS
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Guaranteed

Try **DTX3L (D-10): sc-514776** or **DTX3L (45.Y): sc-100627**, our highly recommended monoclonal alternatives to DTX3L (N-16).