

Deltex-2 (h3): 293 Lysate: sc-176430

BACKGROUND

The Deltex family of proteins (Deltex-1, 2, 3 and 4) are mammalian homologs of *Drosophila* Deltex. This family contains 2 WWE domains and a C-terminal RING finger domain, which are regions that are frequently found in E3 ubiquitin ligases. Deltex-2, also known as hDTX2 or RING finger protein 58, is a 622 amino acid protein that plays a regulatory role in the Notch signaling pathway. Like Deltex-1, Deltex-2 interacts with an intracellular domain of Notch. Localized to the cytoplasm with partial localization to the nucleus, Deltex-2 has been shown to function as a ubiquitin ligase protein *in vitro*, possibly explaining the mechanism by which it positively and negatively regulates Notch. Deltex-2 is highly expressed in thymus and pancreas where it exists as either a homomultimer or a heteromultimer with other Deltex family members. Two isoforms of Deltex-2 are expressed due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DTX2 (human) mapping to 7q11.23.

PRODUCT

Deltex-2 (h3): 293 Lysate represents a lysate of human Deltex-2 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Deltex-2 (h3): 293 Lysate is suitable as a Western Blotting positive control for human reactive Deltex-2 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.