

CNOT10 (h4): 293T Lysate: sc-177070

BACKGROUND

CNOT10 is a subunit of the CCR4-NOT complex which consists of at least five other CNOT subunit proteins and TAB182. The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription, as well as in mRNA degradation. Various subunits (e.g. CNOT1, CNOT3) are uniquely involved in influencing nuclear hormone receptor activities. In effect, this complex has an important role as a transcription regulator and repressor of nuclear receptor signaling that is relevant to the molecular pathways involved in cancer. The CCR4-NOT complex is also involved in the regulation of Histone H3 lysine 4 methylation through a ubiquitin-dependent pathway that likely involves the proteasome.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: CNOT10 (human) mapping to 3p22.3.

PRODUCT

CNOT10 (h4): 293T Lysate represents a lysate of human CNOT10 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CNOT10 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive CNOT10 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

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.