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# NUDE1 (m): 293T Lysate: sc-122153

## BACKGROUND

NUDE1 (Nuclear Distribution Protein nudE homolog 1) is a 346 amino acid cytoplasmic protein belonging to the nudE protein family (whose members include NUDE1 and NDEL1). Phosphorylated during mitosis, NUDE1 is essential for the formation and function of the mitotic spindle in M phase and functions to regulate the Dynein-mediated transport of kinetochore proteins, as well as centrosome duplication during interphase. NUDE1 is thought to interact with NDEL1, LIS1 and Dynein IC1/2, cytosolic in a signaling pathway that regulates the formation of neurons and is fundamental to the development of the cerebral cortex. Mutations in the NUDE1 gene result in a reduced cerebral cortex size caused by defects in mitotic progression and chromosomal localization of cortical progenitors. NUDE1 is expressed as 2 isoforms produced by alternative splicing of the primary gene transcript.

## 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: Nde1 (mouse) mapping to 16 A1.

## PRODUCT

NUDE1 (m): 293T Lysate represents a lysate of mouse NUDE1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

NUDE1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive NUDE1 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

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