NO66 (h): 293 Lysate: sc-111061



The Power to Question

BACKGROUND

The nucleolus is an essential component of the nucleus which functions in the synthesis, processing and assembly of ribosomal RNAs with ribosomal proteins. NO66 (nucleolar protein 66 kDa), also known as C14orf169 (chromosome 14q24.3 open reading frame 169), is a 641 amino acid protein that localizes to nucleoplasmic foci and nucleoli, with specific localization to a granular part of the nucleolus. Expressed throughout the body, NO66 is thought to play a role in the remodeling of certain heterochromatic regions, as well as in the synthesis of the large ribosomal subunit, suggesting involvement in replication-related events. NO66 contains one JmjC domain, two putative nuclear localization signals and several potential phosphorylation sites. Immunohistochemical analysis indicates that NO66 localizes to different subnuclear compartments in different cell lines. Homologs of NO66 have been detected in cell lines from a variety of species. NO66 may be a novel therapeutic target oncogene for lung cancer.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C14orf169 (human) mapping to 14q24.3.

PRODUCT

NO66 (h): 293 Lysate represents a lysate of human NO66 transfected 293 cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

NO66 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive NO66 antibodies. Recommended use: $10-20 \mu l$ per lane.

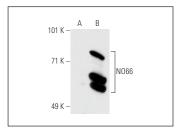
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transected 293 cells.

NO66 (3354C5a): sc-81341 is recommended as a positive control antibody for Western Blot analysis of enhanced human NO66 expression in NO66 transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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.

DATA



NO66 (3354C5a): sc-81341. Western blot analysis of NO66 expression in non-transfected: sc-110760 (**A**) and human NO66 transfected: sc-111061 (**B**) 293 whole cell lycetes

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.

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