NOP16 (JJ-39): sc-81866

BACKGROUND
With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome. The NOP16 gene product has been provisionally designated NOP16 pending further characterization.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: NOP16 (human) mapping to 5q35.2; Nop16 (mouse) mapping to 13 B1.

SOURCE
NOP16 (JJ-39) is a mouse monoclonal antibody raised against recombinant NOP16 of human origin.

PRODUCT
Each vial contains 100 µg IgG; kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS
NOP16 (JJ-39) is recommended for detection of NOP16 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1,000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 NOP16 siRNA (h): sc-91736, NOP16 siRNA (m): sc-142782, NOP16 shRNA Plasmid (h): sc-91736-SH, NOP16 shRNA Plasmid (m): sc-142782-SH, NOP16 shRNA (h) Lentiviral Particles: sc-91738-V and NOP16 shRNA (m) Lentiviral Particles: sc-142782-V.

Molecular Weight of NOP16: 21 kDa.

Positive Controls: Raji whole cell lysate, K-562 whole cell lysate: sc-2203 or NOP16 (h): 293T Lysate: sc-115667.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:

DATA

SELECT PRODUCT CITATIONS

STORAGE
Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of purchase.

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.