SANTA CRUZ BIOTECHNOLOGY, INC.

NUBP1 (m): 293T Lysate: sc-122147

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The Power to Question

BACKGROUND

NUBP1 (nucleotide binding protein 1), also known as cytosolic Fe-S cluster assembly factor NUBP1 or Nbp35, is a 320 amino acid protein involved in the regulation of centrosome duplication. A member of the Mrp/NBP35 ATP-binding protein family and the NUBP1/NBP35 subfamily, NUBP1 exists as two alternatively spliced isoforms and is known to interact with KIFC1 and NUBP2. NUBP1 is a component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery and can transfer transfer iron-sulfur clusters to certain apoproteins. The gene encoding NUBP1 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Nubp1 (mouse) mapping to 16 A1.

PRODUCT

NUBP1 (m): 293T Lysate represents a lysate of mouse NUBP1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

NUBP1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive NUBP1 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.

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.