

NIP30 (C-14): sc-137629

BACKGROUND

NIP30, also known as NEFA-interacting nuclear protein NIP30, FAM192A (family with sequence similarity 192, member A), CDA10 or CDA018, is a 254 amino acid nuclear protein encoded by a gene that maps to human chromosome 16q13. Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders. 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, though through the CREBBP gene which encodes a critical CREB binding protein. Signs of Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias. Crohn's disease is a gastrointestinal inflammatory condition associated with chromosome 16 through the NOD2 gene.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM192A (human) mapping to 16q13; Fam192a (mouse) mapping to 8 C5.

SOURCE

NIP30 (C-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of NIP30 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

PRODUCT

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

Blocking peptide available for competition studies, sc-137629 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

NIP30 (C-14) is recommended for detection of NIP30 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

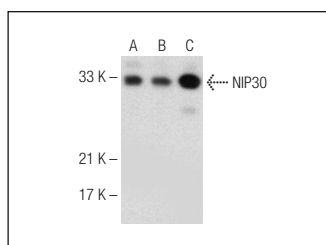
NIP30 (C-14) is also recommended for detection of NIP30 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for NIP30 siRNA (h): sc-93176, 2310065K24Rik siRNA (m): sc-108721, NIP30 shRNA Plasmid (h): sc-93176-SH, 2310065K24Rik shRNA Plasmid (m): sc-108721-SH, NIP30 shRNA (h) Lentiviral Particles: sc-93176-V and 2310065K24Rik shRNA (m) Lentiviral Particles: sc-108721-V.

Molecular Weight of NIP30: 29 kDa.

Positive Controls: MOLT-4 nuclear extract: sc-2151, HeLa nuclear extract: sc-2120 or HL-60 nuclear extract: sc-2147.

DATA



NIP30 (C-14): sc-137629. Western blot analysis of NIP30 expression in HeLa (A), HL-60 (B) and MOLT-4 (C) nuclear extracts.

RESEARCH USE

For research use only, not for use in diagnostic procedures.