

CTTNBP2NL (P-12): sc-137409

BACKGROUND

CTTNBP2NL (CTTNBP2 N-terminal like) is a 639 amino acid protein that is encoded by a gene that maps to human chromosome 1p13.2. Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1.

CHROMOSOMAL LOCATION

Genetic locus: CTTNBP2NL (human) mapping to 1p13.2; Ctnbnp2nl (mouse) mapping to 3 F2.2.

SOURCE

CTTNBP2NL (P-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CTTNBP2NL of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-137409 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CTTNBP2NL (P-12) is recommended for detection of CTTNBP2NL of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with CTTNBP2.

CTTNBP2NL (P-12) is also recommended for detection of CTTNBP2NL in additional species, including equine.

Suitable for use as control antibody for CTTNBP2NL siRNA (h): sc-88565, CTTNBP2NL siRNA (m): sc-142631, CTTNBP2NL shRNA Plasmid (h): sc-88565-SH, CTTNBP2NL shRNA Plasmid (m): sc-142631-SH, CTTNBP2NL shRNA (h) Lentiviral Particles: sc-88565-V and CTTNBP2NL shRNA (m) Lentiviral Particles: sc-142631-V.

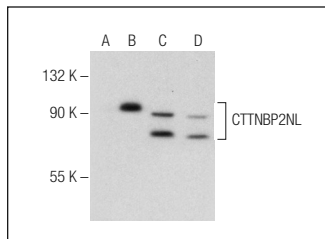
Molecular Weight of OATP-F: 70 kDa.

Positive Controls: CTTNBP2NL (h): 293T Lysate: sc-112235, K-562 whole cell lysate: sc-2203 or MCF7 whole cell lysate: sc-2206.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



CTTNBP2NL (P-12): sc-137409. Western blot analysis of CTTNBP2NL expression in non-transfected 293T: sc-117752 (A), human CTTNBP2NL transfected 293T: sc-112235 (B), K-562 (C) and MCF7 (D) whole cell lysates.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. 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 or our catalog for detailed protocols and support products.



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Try **CTTNBP2NL (F-7): sc-514226**, our highly recommended monoclonal alternative to CTTNBP2NL (P-12).