

## NRIP3 (T-22): sc-133847



The Power to Question

## BACKGROUND

NRIP3 (nuclear receptor interacting protein 3), also known as C11orf14 or NYSAR-105, is a 241 amino acid protein that is encoded by a gene which maps to human chromosome 11. With approximately 135 million base pairs and 1,400 genes, chromosome 11 comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded ATM gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. ATM mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sick cell anemia and thalassemia are caused by HBB gene mutations, while Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes.

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## RESEARCH USE

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

## CHROMOSOMAL LOCATION

Genetic locus: NRIP3 (human) mapping to 11p15.4; Nrip3 (mouse) mapping to 7 E3.

## SOURCE

NRIP3 (T-22) is an affinity purified rabbit polyclonal antibody raised against synthetic NRIP3 peptide of human origin.

## PRODUCT

Each vial contains 50  $\mu$ g IgG in 500  $\mu$ l PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

NRIP3 (T-22) is recommended for detection of NRIP3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for NRIP3 siRNA (h): sc-97059, NRIP3 siRNA (m): sc-150067, NRIP3 shRNA Plasmid (h): sc-97059-SH, NRIP3 shRNA Plasmid (m): sc-150067-SH, NRIP3 shRNA (h) Lentiviral Particles: sc-97059-V and NRIP3 shRNA (m) Lentiviral Particles: sc-150067-V.

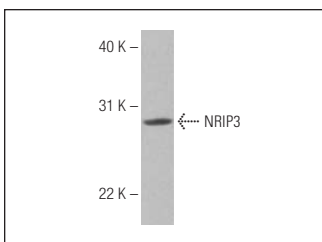
Molecular Weight of NRIP3: 27 kDa.

Positive Controls: 721 B whole cell lysate.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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).

## DATA



NRIP3 (T-22): sc-133847. Western blot analysis of NRIP3 expression in 721 B whole cell lysate.

## STORAGE

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