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NALP14 (h): 293T Lysate: sc-174433

BACKGROUND

NALP14 (NACHT, LRR and PYD domains-containing protein 14) is a testis specific nucleotide binding protein. It is a member of the NLRP family and contains one DAPIN (pyrin, AIM, ASC and death domain-like (PAAD)) domain, 11 LRR (leucine-rich) repeats and one NACHT domain. NALP proteins most often act as an intracellular receptors involved in innate immunity. NALP14 has been linked to spermatogenesis but more likely functions as an inflammasome component. The inflammasome comprises a NALP member and an ASC adapter that ensures caspase-1 recruitment to the inflammasome. Different types of inflammasomes are stimulated by a wide variety of microbial, foreign and endogenous materials.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NLRP14 (human) mapping to 11p15.4.

PRODUCT

NALP14 (h): 293T Lysate represents a lysate of human NALP14 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

NALP14 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive NALP14 antibodies. Recommended use: 10-20 µl per lane.

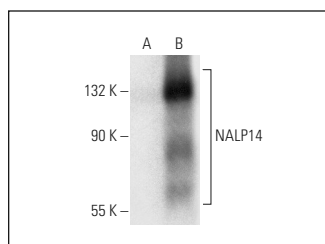
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

NALP14 (H-10): sc-398068 is recommended as a positive control antibody for Western Blot analysis of enhanced human NALP14 expression in NALP14 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



NALP14 (H-10): sc-398068. Western blot analysis of NALP14 expression in non-transfected: sc-117752 (A) and human NALP14 transfected: sc-174433 (B) 293T whole cell lysates.

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.