NALP13 (K-20): sc-68680



The Power to Question

BACKGROUND

NALPs (NACHT-, LRR- and PYD-containing proteins) comprise a subfamily of caterpiller proteins and function in the regulation of apoptosis and signaling pathways. Short NALP proteins contain an N-terminal pyrin domain, as well as a NACHT domain, a NACHT-associated domain (NAD) and a C-terminal leucine-rich repeat (LRR) region, while long NALP proteins exhibit a C-terminal extension containing a function to find domain (FIIND) and a caspase recruitment domain (CARD). NALP13, also known as NLRP13 (NLR family, Pyrin domain containing 13), NOD14 or PAN13, is a 1,043 amino acid member of the NALP protein family and exists as a short NALP, containing one DAPIN domain, one NACHT domain and 7 LRR repeats. Characteristic of NALP proteins, NALP13 functions as a component of inflammasomes and is involved in inflammatory responses throughout the body.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NLRP13 (human) mapping to 19q13.42.

SOURCE

NALP13 (K-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of NALP13 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-68680 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

NALP13 (K-20) is recommended for detection of NALP13 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Suitable for use as control antibody for NALP13 siRNA (h): sc-75862, NALP13 shRNA Plasmid (h): sc-75862-SH and NALP13 shRNA (h) Lentiviral Particles: sc-75862-V.

Molecular Weight of NALP13: 119 kDa.

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) 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.

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.

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