

NALP10 (P-20): sc-50608

BACKGROUND

The NACHT-, LRR- and PYD-containing protein (NALP) family functions in the regulation of apoptosis and inflammatory signaling pathways. Members of the NALP family (also designated Pyrin-containing APAF1-like proteins) include NALP1 through NALP11. Several family members, such as NALP1, NALP2, NALP3 and NALP6, influence NF κ B and caspase pathways as components of the inflammasome. NALP10 is a member of the NALP family that lacks the LRR region but also may play a regulatory role in the innate immune system. NALP10 inhibits NF κ B activation as well as apoptosis induced by ASC. It is highly expressed in brain, heart and skeletal muscle and is regulated by Annexin A7 in a mechanism that may be involved with tumorigenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NLRP10 (human) mapping to 11p15.4.

SOURCE

NALP10 (P-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of NALP10 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.

PRODUCT

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

Blocking peptide available for competition studies, sc-50608 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

NALP10 (P-20) is recommended for detection of NALP10 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).

NALP10 (P-20) is also recommended for detection of NALP10 in additional species, including equine and canine.

Suitable for use as control antibody for NALP10 siRNA (h): sc-61140, NALP10 shRNA Plasmid (h): sc-61140-SH and NALP10 shRNA (h) Lentiviral Particles: sc-61140-V.

Molecular Weight of NALP10: 75 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.

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.