



NALP12 (NACHT LRR and PYD Containing Protein 12, CLR19.3, Monarch 1, Monarch-1, NLR Family Pyrin Domain Containing 12, NLRP12, PAN6, PYRIN Containing APAF1-like Protein 7, PYPAF7, Regulated by Nitric Oxide, RNO, RNO2)

Catalog number

N0018-71

Supplier

United States Biological

NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP12, have an N-terminal pyrin (MEFV; MIM 608107) domain (PYD), followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. The long NALP, NALP1 (MIM 606636), also has a C-terminal extension containing a function to find domain (FIIND) and a caspase recruitment domain (CARD). NALPs are implicated in the activation of proinflammatory caspases (e.g., CASP1; MIM 147678) via their involvement in multiprotein complexes called inflammasomes. NALP12 may mediate activation of CASP1 via ASC and promote activation of NF-kappa-B via IKK.

Applications

Suitable for use in Western Blot, Immunoprecipitation and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Western Blot: 1:1000-1:2000

Immunohistochemistry: 1:50-1:200. Frozen

Immunohistochemistry: 1:1000-1:2000. Paraffin

Immunoprecipitation: 1:50-1:200

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

A synthetic peptide corresponding to amino acids 190-208 ([BLAST]QASPIKIETLFEPDEERPE[/BLAST]) of human NALP12/PYPAF7/Monarch-1 was used as immunogen; GenBank no. gi

28436378

gb

AAO18163.1

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Formulation



Supplied as a liquid in PBS, pH 7.2, 0.02% sodium azide.

Purity

Whole antisera

Specificity

Recognizes human NALP12 (NACHT LRR and PYD Containing Protein 12).

Product Type

Pab

Source

human

Isotype

IgG

Grade

Serum

Applications

IHC IP WB

Crossreactivity

Hu

Storage

-20°C