

NALP2 / PAN1 Antibody (C-Term, near) Peptide-affinity purified goat antibody Catalog # AF3137a

### Specification

## NALP2 / PAN1 Antibody (C-Term, near) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Concentration Isotype Calculated MW

WB, E <u>Q9NX02</u> <u>NP\_060322.1</u>, <u>55655</u> Human Goat Polyclonal 0.5 mg/ml IgG 120515

### NALP2 / PAN1 Antibody (C-Term, near) - Additional Information

Gene ID 55655

**Other Names** NACHT, LRR and PYD domains-containing protein 2, Nucleotide-binding site protein 1, PYRIN domain and NACHT domain-containing protein 1, PYRIN-containing APAF1-like protein 2, NLRP2, NALP2, NBS1, PAN1, PYPAF2

Dilution WB~~1:1000 E~~N/A

**Format** 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NALP2 / PAN1 Antibody (C-Term, near) is for research use only and not for use in diagnostic or therapeutic procedures.

### NALP2 / PAN1 Antibody (C-Term, near) - Protein Information

Name NLRP2

Synonyms NALP2, NBS1, PAN1, PYPAF2

Function



Suppresses TNF- and CD40-induced NFKB1 activity at the level of the IKK complex, by inhibiting NFKBIA degradation induced by TNF. When associated with PYCARD, activates CASP1, leading to the secretion of mature pro-inflammatory cytokine IL1B. May be a component of the inflammasome, a protein complex which also includes PYCARD, CARD8 and CASP1 and whose function would be the activation of pro-inflammatory caspases.

Cellular Location Cytoplasm

**Tissue Location** 

Expressed at high levels in lung, placenta and thymus and at lower levels in ovary, intestine and brain (PubMed:15456791). Highly abundant in oocytes and early embryos, however poorly expressed in somatic tissues such as brain, kidney, liver and spinal cord (PubMed:30877238).

# NALP2 / PAN1 Antibody (C-Term, near) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

NALP2 / PAN1 Antibody (C-Term, near) - Images



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human NLRP2 with DYKDDDDK tag probed with AF3137a (1ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/5000) in lane C. Mock-transfected HEK293 probed with AF3137a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

### NALP2 / PAN1 Antibody (C-Term, near) - References

Toll-like receptor 2 and NALP2 mediate induction of human beta-defensins by fusobacterium



nucleatum in gingival epithelial cells. Ji S, Shin JE, Kim YS, Oh JE, Min BM, Choi Y, Infection and immunity 2009 Mar 77 (3): 1044-52. PMID: 19103770