

**NOD8 / NLRP10 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13988**

**Specification**

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**NOD8 / NLRP10 Antibody (N-Terminus) - Product Information**

Application	<b>IF, WB</b>
Primary Accession	<a href="#">O86W26</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>75kDa KDa</b>

**NOD8 / NLRP10 Antibody (N-Terminus) - Additional Information**

**Gene ID** 338322

**Other Names**

NACHT, LRR and PYD domains-containing protein 10, Nucleotide-binding oligomerization domain protein 8, NLRP10, NALP10, NOD8, PYNOD

**Target/Specificity**

Human NLRP10

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

NOD8 / NLRP10 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**NOD8 / NLRP10 Antibody (N-Terminus) - Protein Information**

**Name** NLRP10

**Synonyms** NALP10, NOD8, PYNOD

**Function**

Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID (PubMed:<a href="http://www.uniprot.org/citations/15096476" target="\_blank">15096476</a>). Displays anti-inflammatory activity (PubMed:<a href="http://www.uniprot.org/citations/20393137" target="\_blank">20393137</a>). Required for immunity against C.albicans infection (By similarity). Involved in the innate immune response by contributing to pro-inflammatory cytokine release in response to invasive bacterial infection (PubMed:<a href="http://www.uniprot.org/citations/22672233" target="\_blank">22672233</a>). Contributes to T-cell-mediated inflammatory responses in the skin (By similarity). Plays a role in protection against periodontitis through its involvement in induction of IL1A via ERK activation in oral

epithelial cells infected with periodontal pathogens (PubMed:<a href="http://www.uniprot.org/citations/28766990" target="\_blank">28766990</a>). Exhibits both ATPase and GTPase activities (PubMed:<a href="http://www.uniprot.org/citations/23861819" target="\_blank">23861819</a>).

#### Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein. Note=Cytoplasmic protein which is recruited to the cell membrane by NOD1 following invasive bacterial infection

#### Tissue Location

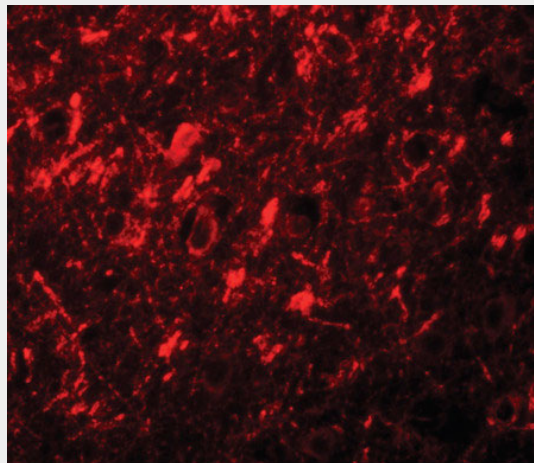
Highly expressed in basal and suprabasal epidermal cell layers with lower levels in dermal fibroblast cells (at protein level) (PubMed:22672233). Widely expressed with highest levels in heart, brain and skeletal muscle (PubMed:15096476). Also expressed in liver, colon, dermis and epidermis (PubMed:15096476). Little expression detected in myeloid cells or peripheral blood mononuclear cells (PubMed:15096476).

### NOD8 / NLRP10 Antibody (N-Terminus) - Protocols

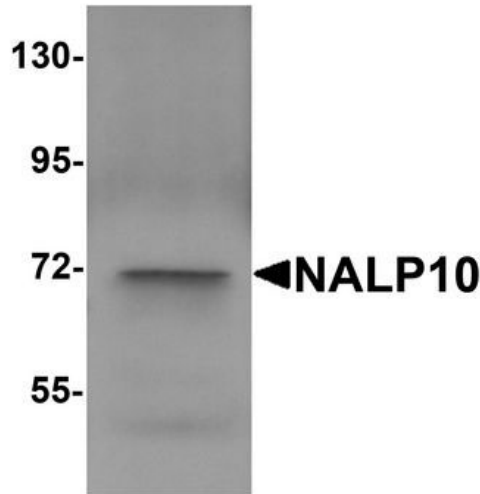
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NOD8 / NLRP10 Antibody (N-Terminus) - Images



Immunofluorescence of NALP10 in human brain tissue with NALP10 antibody at 20 ug/ml.



Western blot analysis of NALP10 in human brain tissue lysate with NALP10 antibody at 1 ug/ml.

#### **NOD8 / NLRP10 Antibody (N-Terminus) - Background**

Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID. Displays anti-inflammatory activity. Plays a role in adaptive immunity through control of dendritic cell-mediated transport of antigen to the lymph nodes from peripheral sites. Required for immunity against *C.albicans* infection. Involved in the innate immune response by contributing to proinflammatory cytokine release in response to invasive bacterial infection.

#### **NOD8 / NLRP10 Antibody (N-Terminus) - References**

Tschopp J.,et al.Nat. Rev. Mol. Cell Biol. 4:95-104(2003).  
Wang Y.,et al.Int. Immunol. 16:777-786(2004).  
Inohara N.,et al.Nat. Rev. Immunol. 3:371-382(2003).  
Imamura R.,et al.J. Immunol. 184:5874-5884(2010).  
Lautz K.,et al.Cell. Microbiol. 14:1568-1583(2012).