

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

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

Application	WB, IHC-P, IF, E
Primary Accession	Q86W26
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

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:15096476). Displays anti-inflammatory activity (PubMed:20393137). 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:22672233). 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:28766990). Exhibits both ATPase and GTPase activities (PubMed:23861819).

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

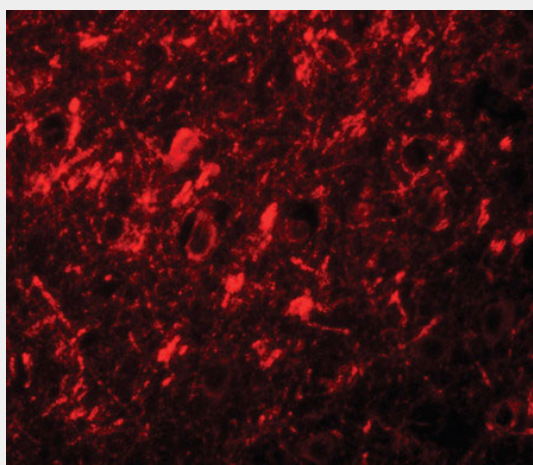
Highly expressed in basal and suprabasal epidermal cell layers with lower levels in dermal fibroblast cells (at protein level) (PubMed:22672233). Widely expressed with highest levels in heart, brain and skeletal muscle (PubMed:15096476). Also expressed in liver, colon, dermis and epidermis (PubMed:15096476).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

NOD8 / NLRP10 Antibody (N-Terminus) - Protocols

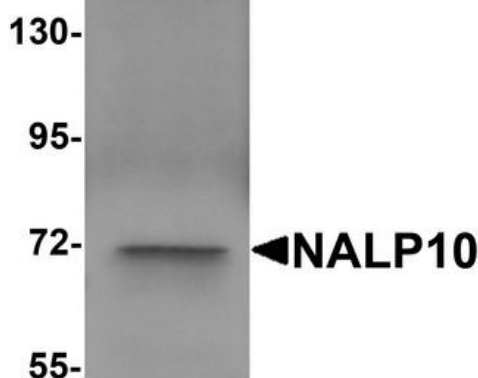
Provided below are standard protocols that you may find useful for product applications.

- [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).