

**NLRP10 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13494b****Specification**

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**NLRP10 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q86W26</a>
Other Accession	<a href="#">NP_789791.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	75032
Antigen Region	466-494

**NLRP10 Antibody (C-term) - 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**

This NLRP10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 466-494 amino acids from the C-terminal region of human NLRP10.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

NLRP10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NLRP10 Antibody (C-term) - 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

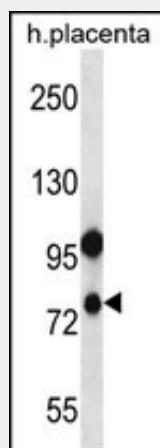
**Tissue Location**

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](#)).

**NLRP10 Antibody (C-term) - 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](#)

**NLRP10 Antibody (C-term) - Images**

NLRP10 Antibody (C-term) (Cat. #AP13494b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the NLRP10 antibody detected the NLRP10 protein (arrow).

**NLRP10 Antibody (C-term) - Background**

Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). The protein encoded by this gene belongs to the NALP protein family despite lacking the LRR region. This protein likely plays a regulatory role in the innate immune system. The protein belongs to the signal-induced multiprotein complex, the inflammasome, that activates the pro-inflammatory caspases, caspase-1 and caspase-5. Other experiments indicate that this gene acts as a multifunctional negative regulator of inflammation and apoptosis. [provided by RefSeq].

**NLRP10 Antibody (C-term) - References**

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Kinoshita, T., et al. J. Biol. Chem. 280(23):21720-21725(2005)  
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