

**NLRP10 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58532****Specification****NLRP10 Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, IHC-F, IF, E    |
| Primary Accession | <a href="#">Q86W26</a> |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 75032                  |

**NLRP10 Polyclonal Antibody - 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

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**NLRP10 Polyclonal Antibody - 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](http://www.uniprot.org/citations/15096476)). Displays anti-inflammatory activity (PubMed: [20393137](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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:<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).

**NLRP10 Polyclonal Antibody - 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 Polyclonal Antibody - Images**