

**NLRP12 Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15179****Specification**

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**NLRP12 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P59046</a>
Other Accession	<a href="#">NP_653288</a>
Reactivity	Human
Predicted	Human, Rat, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116kDa KDa

**NLRP12 Antibody - N-terminal region - Additional Information****Gene ID** 91662**Alias Symbol** **NLRP12, NALP12, PYPAF7, RNO,**  
**Other Names**  
NACHT, LRR and PYD domains-containing protein 12, Monarch-1, PYRIN-containing APAF1-like protein 7, Regulated by nitric oxide, NLRP12, NALP12, PYPAF7, RNO**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 µl of distilled water. Final Anti-NLRP12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

NLRP12 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**NLRP12 Antibody - N-terminal region - Protein Information****Name** NLRP12**Synonyms** NALP12, PYPAF7, RNO**Function**Plays an essential role as a potent mitigator of inflammation (PubMed:[30559449](http://www.uniprot.org/citations/30559449)). Primarily expressed in dendritic cells and macrophages, inhibits both canonical and non-canonical NF-kappa-B and ERK activation pathways (PubMed:[15489334](http://www.uniprot.org/citations/15489334), PubMed:[17947705](http://www.uniprot.org/citations/17947705)). Functions as

a negative regulator of NOD2 by targeting it to degradation via the proteasome pathway (PubMed:<a href="http://www.uniprot.org/citations/30559449" target="\_blank">30559449</a>). In turn, promotes bacterial tolerance (PubMed:<a href="http://www.uniprot.org/citations/30559449" target="\_blank">30559449</a>). Inhibits also the RIGI- mediated immune signaling against RNA viruses by reducing the E3 ubiquitin ligase TRIM25-mediated 'Lys-63'-linked RIGI activation but enhancing the E3 ubiquitin ligase RNF125-mediated 'Lys-48'-linked RIGI degradation (PubMed:<a href="http://www.uniprot.org/citations/30902577" target="\_blank">30902577</a>). Acts also as a negative regulator of inflammatory response to mitigate obesity and obesity-associated diseases in adipose tissue (By similarity).

### Cellular Location

Cytoplasm.

### Tissue Location

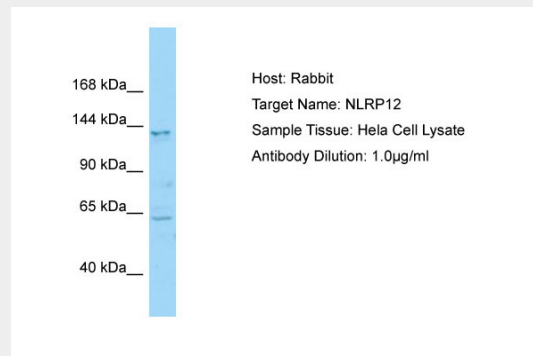
Detected only in peripheral blood leukocytes, predominantly in eosinophils and granulocytes, and at lower levels in monocytes.

## NLRP12 Antibody - N-terminal region - 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](#)

## NLRP12 Antibody - N-terminal region - Images



Host: Rabbit  
Target Name: NLRP12  
Sample Tissue: HeLa Whole cell lysate  
s  
Antibody Dilution: 1.0µg/ml

## NLRP12 Antibody - N-terminal region - References

Wang L., et al. J. Biol. Chem. 277:29874-29880(2002).  
Tschopp J., et al. Nat. Rev. Mol. Cell Biol. 4:95-104(2003).

Williams K.L.,et al.Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.  
Shami P.J.,et al.Br. J. Haematol. 112:138-147(2001).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).