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

Specification

NLRP12 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P59046
Other Accession	NP_653288
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,**

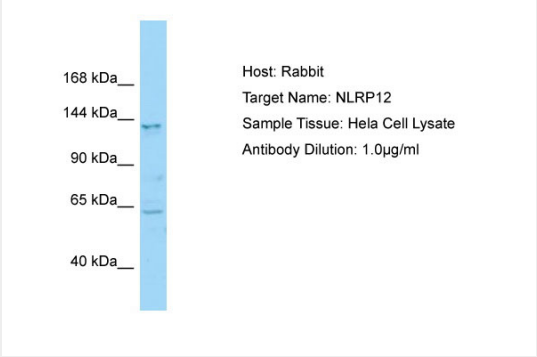
Other Names
NACHT, LRR and PYD domains-containing protein 12, Monarch-1, PYRIN-containing APAF1-like protein 7, Regulated by nitric oxide, NLRP12, NALP12, PYPAF7, RNO

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

Reconstitution & Storage
Add 50 &mu, l 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



Host: Rabbit
Target Name: NLRP12
Sample Tissue: Hela Whole cell lysate
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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).

Name NLRP12

Synonyms NALP12, PYPAF7, RNO

Function
Plays an essential role as an potent mitigator of inflammation (PubMed:30559449). Primarily expressed in dendritic cells and macrophages, inhibits both canonical and non-canonical NF-kappa-B and ERK activation pathways (PubMed:15489334, PubMed:17947705). Functions as a negative regulator of NOD2 by targeting it to degradation via the proteasome pathway (PubMed:30559449). In turn, promotes bacterial tolerance (PubMed:30559449). Inhibits also the DDX58-mediated immune signaling against RNA viruses by reducing the E3 ubiquitin ligase TRIM25-mediated 'Lys-63'-linked DDX58 activation but enhancing the E3 ubiquitin ligase RNF125-mediated 'Lys-48'-linked DDX58 degradation (PubMed:30902577). 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 Cytomety
- Cell Culture