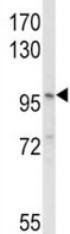


## NLRP3 Antibody (F51203)

| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F51203-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F51203-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

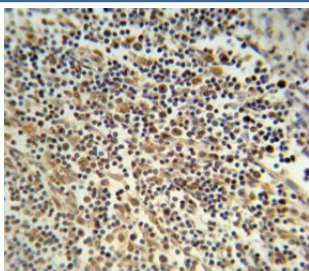
[Bulk quote request](#)

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                       |
| <b>Species Reactivity</b> | Human                                                   |
| <b>Format</b>             | Antigen affinity purified                               |
| <b>Host</b>               | Rabbit                                                  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                              |
| <b>Isotype</b>            | Rabbit Ig                                               |
| <b>Purity</b>             | Antigen affinity                                        |
| <b>UniProt</b>            | Q96P20                                                  |
| <b>Applications</b>       | Western Blot : 1:1000<br>IHC (Paraffin) : 1:10-1:50     |
| <b>Limitations</b>        | This NLRP3 antibody is available for research use only. |



170  
130  
95  
72  
55

NLRP3 Antibody MDA-MB-231 WB. Western blot analysis of NLRP3 antibody and MDA-MB-231 lysate. Predicted molecular weight ~118 kDa.



NLRP3 Antibody Lymph Tissue IHC. NLRP3 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph tissue.

## Description

NLRP3 Antibody specifically detects NLRP3, a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis.

Explore our [NLRP3 Antibody / Inflammasome Marker page](#) for additional validation data and research applications involving innate immune signaling, inflammasome activation, cytokine maturation, and pyroptosis-associated cellular pathways.

## Application Notes

Titration of the NLRP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 65-91 from the human protein was used as the immunogen for this NLRP3 antibody.

## Storage

Aliquot the NLRP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.