

For Research Use Only

# NLRP7 Recombinant antibody

Catalog Number:83996-4-RR



## Basic Information

<b>Catalog Number:</b> 83996-4-RR	<b>GenBank Accession Number:</b> BC109125	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 199713	<b>CloneNo.:</b> 241120A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WX94	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> NLR family, pyrin domain containing 7	
<b>Immunogen Catalog Number:</b> AG27465	<b>Calculated MW:</b> 112 kDa, 115 kDa, 118 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : K-562 cells,
<b>Species Specificity:</b> human	

## Background Information

NLRP7, also called NALP7 or PYPAF3, is a member of the NOD-like receptors (NLR), a family of proteins that plays a crucial role in the innate immune response. NLRP7 has been reported to emerge from NLRP2 gene. Similar to all inflammasomes, NLRP7 contributes to both pro- and anti-inflammatory processes, depending on whether it functions in an inflammasome-dependent or independent pathway. The function of NLRP7 inflammasome has also been reported to depend on the master regulatory transcription factor protein that controls cellular inflammation, the NF-κB. In addition to its pro- and anti-inflammatory actions, NLRP7 plays a role in restricting intracellular bacterial replication and can also induce inflammasome assembly upon specific stimulation by FSL-1 (diacylated lipoprotein).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

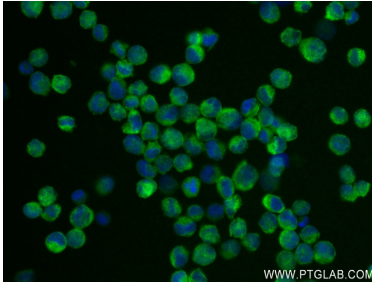
T: 4006900926

E: Proteintech-CN@ptglab.com

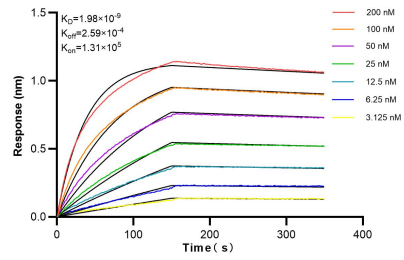
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using NLRP7 antibody (83996-4-RR, Clone: 241120A10) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83996-4-RR against Human NLRP7 were performed. The affinity constant is 1.98 nM.