

Nur für Forschungszwecke

# NLRP3 Polyklonaler Antikörper

Katalog-Nr.: 27458-1-AP

10 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 27458-1-AP	<b>GenBank-Zugangsnummer:</b> NM_001079821	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 800 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 114548	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> NLR family, pyrin domain containing 3	<b>Berechnete Masse:</b> 118 kDa
<b>Isotyp:</b> IgG	<b>Beobachtete Masse:</b> 110 kDa	
<b>Immunogen Katalognummer:</b> AG26272		

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> WB: Jurkat-Zellen, THP-1-Zellen IP: THP-1-Zellen, IHC: humanes Mammakarzinomgewebe,
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human, Maus, Ratte	

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

NLRP3, also named as NALP3, CIASI, C1orf7, PYPAF1, Cryopyrin and MIM606416, belongs to NLR family. NLRP3, a key and eponymous component of the NLRP3 inflammasome, plays a crucial role in innate immunity and inflammation. NLRP3 inflammasome is expressed in immune cells, including monocytes, macrophages, and dendritic cells. When the NLRP3 inflammasome is activated, the PYD domain of NLRP3 mediates recruitment of an adaptor protein called ASC and the effector protein procaspase-1 to form an NLRP3 inflammasome complex that can cleave inactive procaspase-1 to form active caspase-1. And then the active caspase-1 results in secretion of interleukin (IL)-18 and IL-1β. Activation of the NLRP3 inflammasome is also required for HMGB1 secretion. Inflammasomes can also induce pyroptosis, an inflammatory form of programmed cell death (PMID:27669650). NLRP3 has some isoforms with the MW of 106-118 kDa and 83 kDa.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Weiyang He	29870680	FASEB J	WB, IF
Hao Wu	36587556	Biomed Pharmacother	WB
Xianyang Wang	36589463	Front Physiol	IHC

## Lagerung

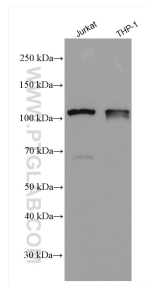
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

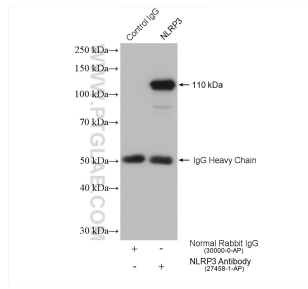
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

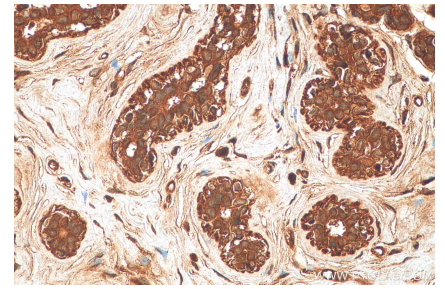
## Ausgewählte Validierungsdaten



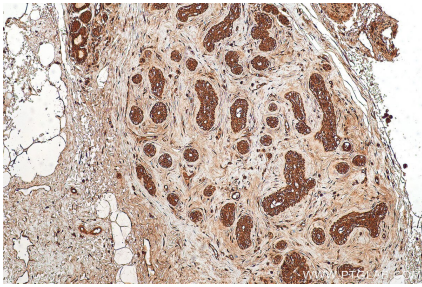
Various lysates were subjected to SDS PAGE followed by western blot with 27458-1-AP (NLRP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-NLRP3(IP:27458-1-AP, 4ug; Detection:27458-1-AP 1:800) with THP-1 cells lysate 1520 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27458-1-AP (NLRP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27458-1-AP (NLRP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).