

For Research Use Only

NLRP7 Polyclonal antibody

Catalog Number: 27897-1-AP



Basic Information

Catalog Number:

27897-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27465

GenBank Accession Number:

BC109125

GeneID (NCBI):

199713

UNIPROT ID:

Q8WX94

Full Name:

NLR family, pyrin domain containing

7

Calculated MW:

112 kDa, 115 kDa, 118 kDa

Observed MW:

112 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells, THP-1 cells

IHC : human spleen tissue,

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:

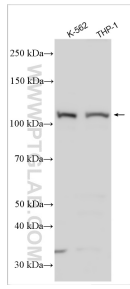
T: 4006900926

E: Proteintech-CN@ptglab.com

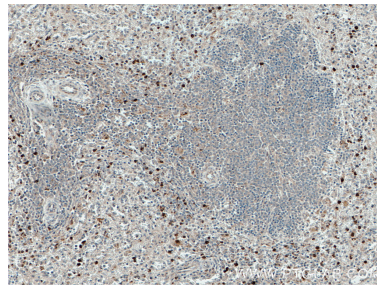
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27897-1-AP (NLRP7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 27897-1-AP (NLRP7 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 27897-1-AP (NLRP7 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).