

For Research Use Only

NLRP7 Polyclonal antibody

Catalog Number: 27897-1-AP



Basic Information

Catalog Number: 27897-1-AP	GenBank Accession Number: BC109125	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 199713	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: NLR family, pyrin domain containing 7	
Isotype: IgG	Calculated MW: 112 kDa, 115 kDa, 118 kDa	
Immunogen Catalog Number: AG27465	Observed MW: 112 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : K-562 cells, THP-1 cells IHC : human spleen tissue,
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

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

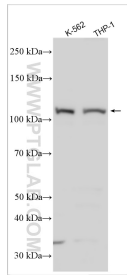
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

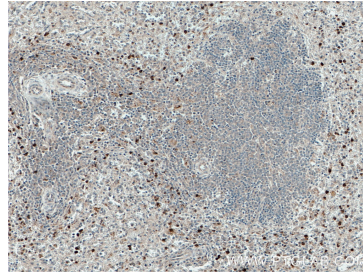
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).