

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NLRP3



Numéro de catalogue: 19771-1-AP

Phare

365 Publications

Informations de base

Numéro de catalogue: 19771-1-AP	Numéro d'acquisition GenBank: NM_001127461	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI): 114548	Dilutions recommandées: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Hôte: Lapin	Nom complet: NLR family, pyrin domain containing 3	
Isotype: IgG	MW calculé: 118 kDa	
	MW observés: 110 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
bovin, Chèvre, Humain, porc, poulet

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules Raji, cellules THP-1

IHC : tissu rénal humain,

IF : cellules HepG2,

Informations générales

NALP3, also named as C1orf7, CIAS1 and PYPAF1, belongs to the NLRP family. NLRP3, a key and eponymous component of the NLRP3 inflammasome, plays a crucial role in innate immunity and inflammation. NALP3 may function as an inducer of apoptosis. It interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. NALP3 inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. NALP3 activates caspase-1 in response to a number of triggers including bacterial or viral infection which leads to processing and release of IL1B and IL18. Defects in NLRP3 are the cause of familial cold autoinflammatory syndrome type 1 (FCAS1) which also known as familial cold urticaria. Defects in NLRP3 are a cause of Muckle-Wells syndrome (MWS) which is urticaria-deafness-amyloidosis syndrome. Defects in NLRP3 are the cause of chronic infantile neurologic cutaneous and articular syndrome (CINCA) which also known as neonatal onset multisystem inflammatory disease (NOMID). The antibody recognizes the C-term of NALP3.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yang Liu	36175851	BMC Mol Cell Biol	IF
Lin-Tao Xu	34601084	J Ethnopharmacol	WB
DANDAN FENG	34650637	Exp Ther Med	WB

Stockage

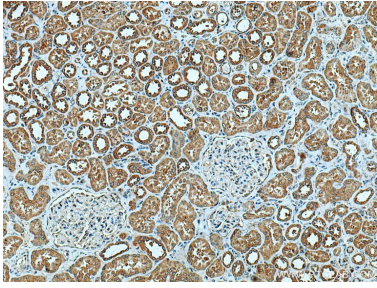
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

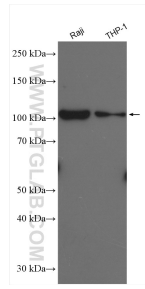
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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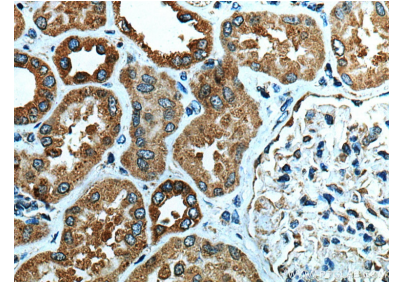
Données de validation sélectionnées



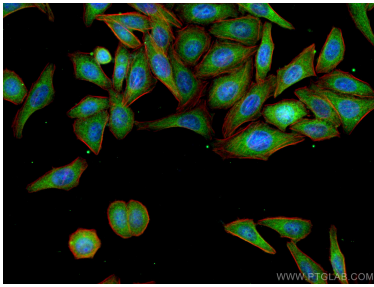
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19771-1-AP (NLRP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



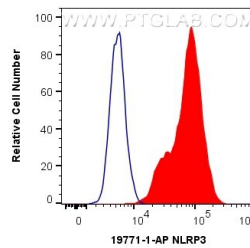
Various lysates were subjected to SDS PAGE followed by western blot with 19771-1-AP (NLRP3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19771-1-AP (NLRP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NLRP3 antibody (19771-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 THP-1 cells were intracellularly stained with 0.4 ug Anti-Human NLRP3 (19771-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).