

产品名称: Cryopyrin Rabbit Polyclonal Antibody
产品货号: APRab09438



产品概述 (Summary)

产品名称 (Production Name)	Cryopyrin Rabbit Polyclonal Antibody
描述 (Description)	Rabbit Polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NLRP3
别名 (Alternative Names)	NLRP3; C1orf7; CIAS1; NALP3; PYPAF1; NACHT, LRR and PYD domains-containing protein 3; Angiotensin/vasopressin receptor AII/AVP-like; Caterpillar protein 1.1CLR1.1; Cold autoinflammatory syndrome 1 protein; Cryopyrin; PYRIN-containing APAF1-like protein 1
基因 ID (Gene ID)	114548.0
蛋白 ID (SwissProt ID)	Q96P20.The antiserum was produced against synthesized peptide derived from the Internal region of human NLRP3. AA range:511-560

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500 - 1:2000 IHC 1:100 - 1:300. ELISA: 1:20000..
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蛋白分子量 (Molecular Weight) 115kD

研究背景 (Background)

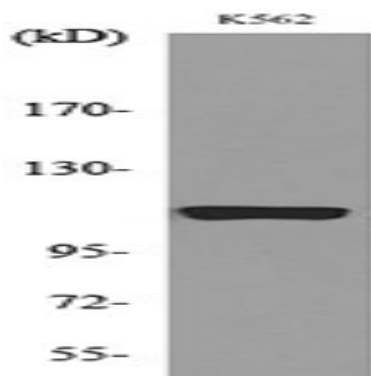
This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, and neonatal-onset multisystem inflammatory disease (NOMID). Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are disease:Defects in NLRP3 are a cause of Muckle-Wells syndrome (MWS) [MIM:191900]; also known as urticaria-deafness-amyloidosis syndrome. MWS is a hereditary periodic fever syndrome characterized by fever, chronic recurrent urticaria, arthralgias, progressive sensorineural deafness, and reactive renal amyloidosis. The disease may be severe if generalized amyloidosis occurs. disease:Defects in NLRP3 are the cause of chronic infantile neurologic cutaneous and articular syndrome (CINCA) [MIM:607115]; also known as 'neonatal onset multisystem inflammatory disease,' or NOMID, a rare congenital inflammatory disorder characterized by a triad of neonatal onset of cutaneous symptoms, chronic meningitis, and joint manifestations with recurrent fever and inflammation. disease:Defects in NLRP3 are the cause of familial cold autoinflammatory syndrome type 1 (FCAS1) [MIM:120100]; commonly known as familial cold urticaria. FCAS are rare autosomal dominant systemic inflammatory diseases characterized by episodes of rash, arthralgia, fever and conjunctivitis after generalized exposure to cold. function:May function as an inducer of apoptosis. Interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. Inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. 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. induction:By TNF-alpha. online information:Repertory of FMF and hereditary autoinflammatory disorders mutations. similarity:Belongs to the NLRP family. similarity:Contains 1 DAPIN domain. similarity:Contains 1 NACHT domain. similarity:Contains 7 LRR (leucine-rich) repeats. subunit:Interacts with PYCARD/ASC. Part of the NALP3 inflammasome complex which is involved in activation of caspase-1 and caspase-5, leading to processing of IL1B and IL18. tissue specificity:Expressed in blood leukocytes. Strongly expressed in polymorphonuclear cells and osteoblasts. Undetectable or expressed at a lower magnitude in B- and T- lymphoblasts, respectively. High level of expression detected in chondrocytes. Detected in non-keratinizing epithelia of oropharynx, esophagus and ectocervix and in the urothelial layer of the bladder.

研究领域 (Research Area)

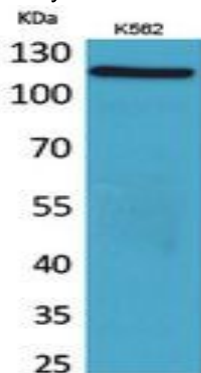
NOD-like receptor;

图片 (Image Data)

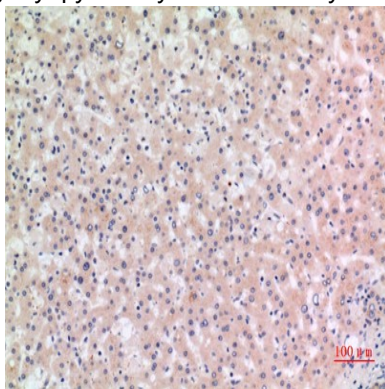
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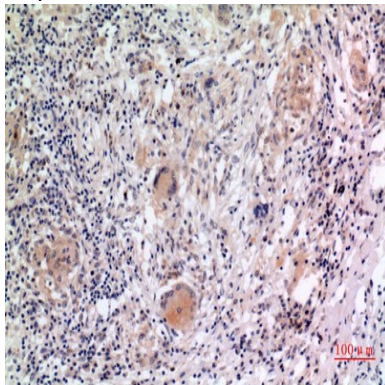
Western blot analysis of lysate from K562 cells, using NLRP3 Antibody.



Western Blot analysis of K562 cells using Cryopyrin Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



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Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100

注意事项 (Note)

For research use only .