

## Product Datasheet

### Anti-NLRP3 Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

WL02635

#### Product Information

<b>Product name</b>	Anti-NLRP3 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:100-1:400
	IF	1:100-1:400
<b>Cellular localization</b>	Cytoplasm. Cytoskeleton. Endoplasmic reticulum. Membrane.  Mitochondrion. Nucleus. Secreted	
<b>Pack size</b>	50/100/200/500/1000μl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
<b>General Information</b>	BSA, 50% glycerol and less than 0.02% sodium azide	
<b>Background</b>	NLRP3 (Cryopyrin) belongs to the NLRP family and it contains one DAPIN domain, seven LRR (leucine-rich) repeats and one NATCH domain. NLR proteins play a variety of roles during the innate immune response including pathogen sensing, transcriptional activation of proinflammatory cytokines through NF-κB, transcriptional activation of type I interferons through IRFs, and formation of inflammasomes leading to activation of inflammatory caspases. Mutations in Cryopyrin and Pyrin proteins are responsible for several autoinflammatory disorders in humans, including familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS) and chronic infantile neurologic cutaneous and articular syndrome (CINCA).	
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NLRP3.	
<b>Purification</b>	Polyclonal antibody was purified by Protein A affinity chromatography.	

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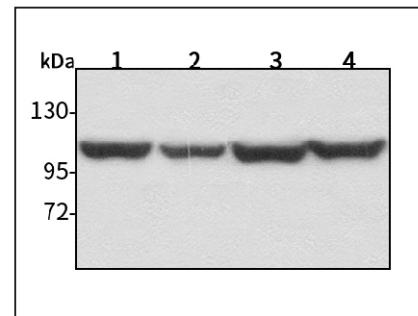
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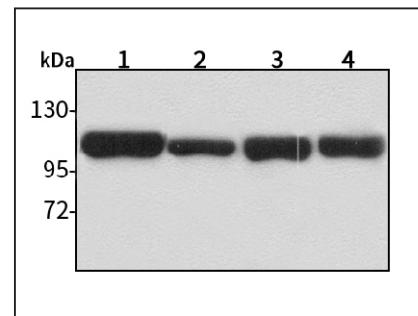
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#### Product Images



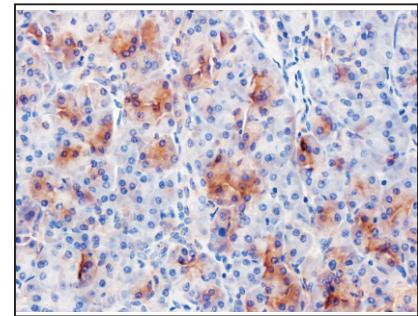
**Western blot-Anti-NLRP3 pAb**

Lane 1: Human HepG2 cell lysate  
Lane 2: Human Hela cell lysate  
Lane 3: Human BGC-823 cell lysate  
Lane 4: Human MGC-803 cell lysate  
All lanes: Anti-NLRP3 at 1:1000 dilution  
Lysates/proteins at 20-50 μg per lane.  
Predicted band size: 118 kDa  
Observed band size: 118 kDa



**Western blot-Anti-NLRP3 pAb**

Lane 1: Mouse kidney tissue lysate  
Lane 2: Mouse heart tissue lysate  
Lane 3: Rat brain tissue lysate  
Lane 4: Rat stomach tissue lysate  
All lanes: Anti-NLRP3 at 1:1000 dilution  
Lysates/proteins at 20-50 μg per lane.  
Predicted band size: 118 kDa  
Observed band size: 118 kDa



**Immunohistochemistry-Anti-NLRP3 pAb**

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using anti-NLRP3 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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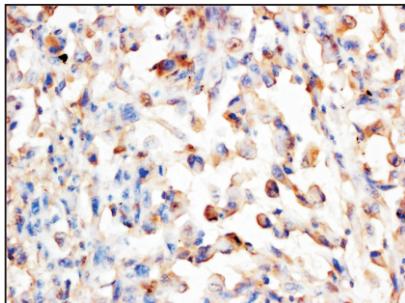
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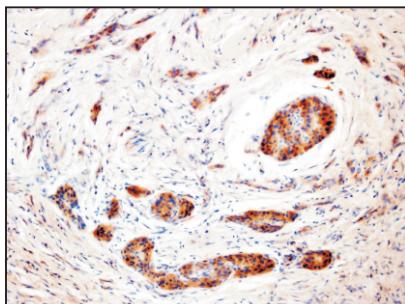
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#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded human lung cancer using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

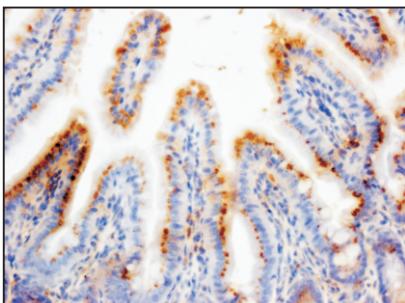
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded human liver cancer using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded mouse intestine using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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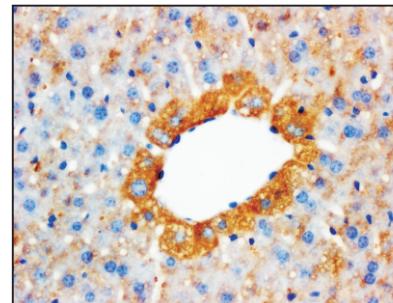
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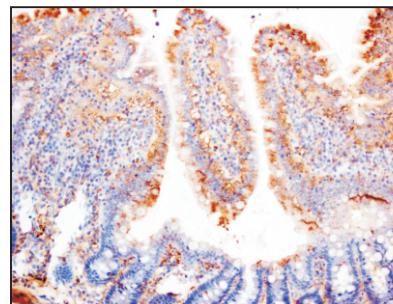
#### Product Images



#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded mouse fatty liver using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

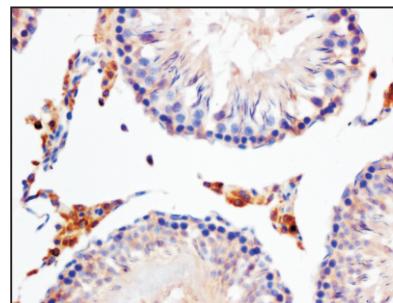
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded rat intestine using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded rat testicle using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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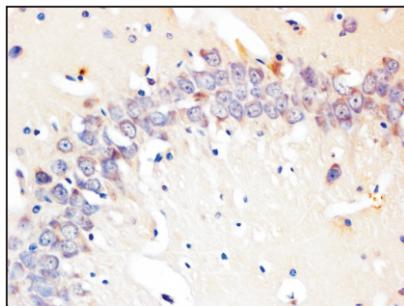
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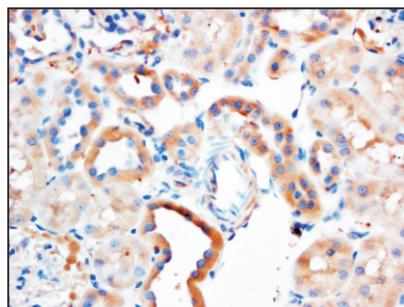
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##### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded rat brain using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

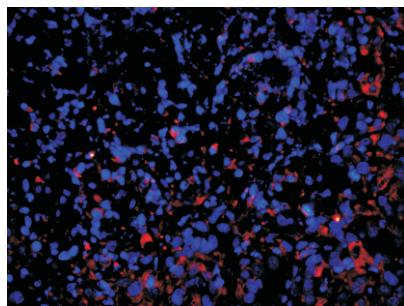
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



##### Immunohistochemistry-Anti-NLRP3 pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



##### Immunofluorescence-Anti-NLRP3 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

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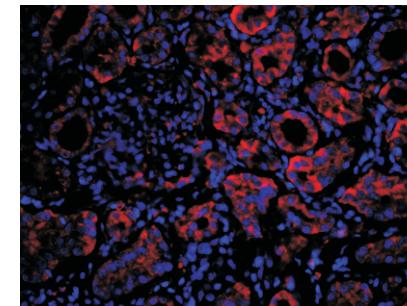
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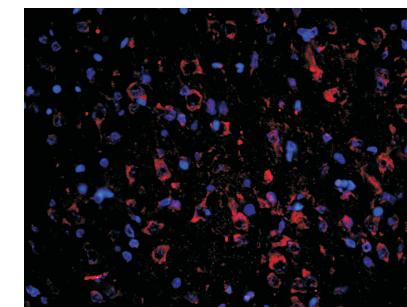
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##### Immunofluorescence-Anti-NLRP3 pAb

Immunofluorescence analysis of paraffin-embedded rat kidney using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



##### Immunofluorescence-Anti-NLRP3 pAb

Immunofluorescence analysis of paraffin-embedded rat brain using anti-NLRP3 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.