Anti-NLRP3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104959

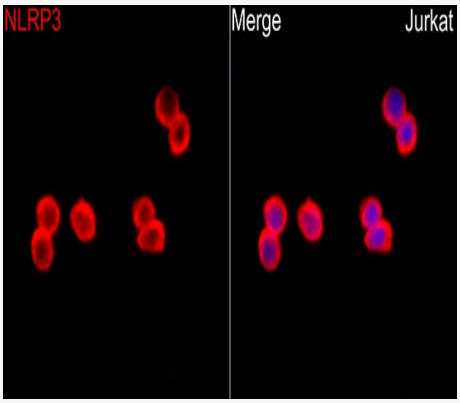
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1000~1:5000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-93 of mouse NLRP3 (NP_665826.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NLRP3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

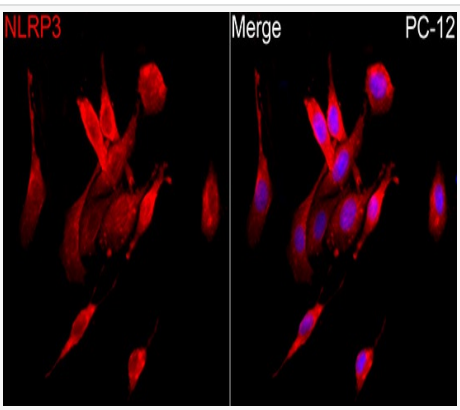
Protein Information

Synonyms	FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; AII/AVP; AGTAVPRL; NLRP3.
Calculated MW	Calculated MW: 118 kDa; Observed MW: 110 kDa
Uniprot ID	Q8R4B8
Gene ID	216799
Background	Enables DNA-binding transcription factor binding activity and sequence-specific DNA binding activity. Involved in several processes, including positive regulation of T-helper cell differentiation; positive regulation of cytokine production; and response to bacterium. Acts upstream of or within several processes, including NLRP3 inflammasome complex assembly; activation of cysteine-type endopeptidase activity involved in apoptotic process; and defense response to virus. Located in cytoplasm and nucleus. Part of NLRP3 inflammasome complex. Is expressed in central nervous system and retina. Used to study CINCA Syndrome; familial cold autoinflammatory syndrome 1; and non-alcoholic fatty liver disease. Human ortholog(s) of this gene implicated in CINCA Syndrome; Muckle-Wells syndrome; autosomal dominant nonsyndromic deafness 34; familial cold autoinflammatory syndrome 1; and urticaria. Orthologous to human NLRP3 (NLR family pyrin domain containing 3).

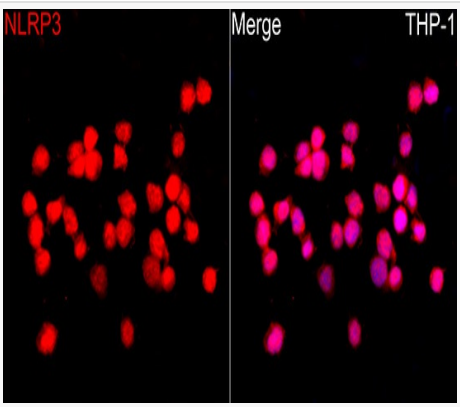
Validation Images



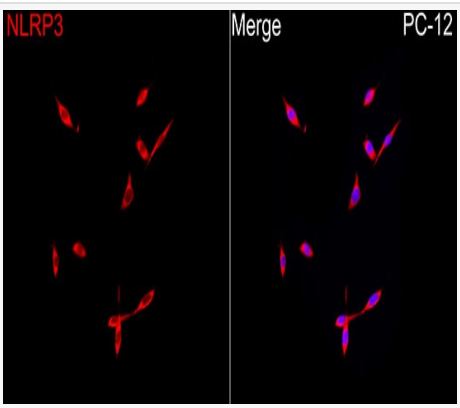
Immunofluorescence analysis of Jurkat cells using NLRP3 Rabbit pAb(P104959) at a dilution of 1:200 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



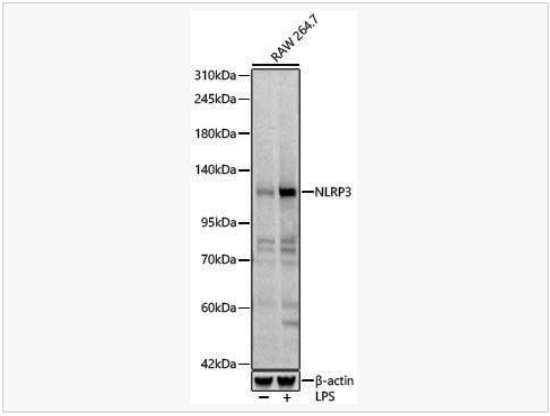
Immunofluorescence analysis of PC-12 cells using NLRP3 Rabbit pAb(P104959) at a dilution of 1:200 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using NLRP3 Rabbit pAb(P104959) at a dilution of 1:200 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NLRP3 Rabbit pAb (P104959) at a dilution of 1:50 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from RAW 264.7 cells using NLRP3 Rabbit pAb (P104959) at 1:5,000 dilution. Raw 264.7 cells were treated by LPS (1 μg/ml) at 37℃ for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.