

NLRP3 Polyclonal Antibody

CAB21906

Description

This NLRP3 Polyclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

| | |
|----------------------|---|
| SKU: | CAB21906 |
| Contents: | 20 µL, 100 µL Bradford Reagent: 1 vial (2ml) |
| Category: | Polyclonal Antibody |
| Synonyms: | FCU, MWS, FCAS, Cias1, Mmig1, NALP3, Pypaf1, AII/AVP, AGTAVPRL, NLRP3 |
| Clone: | - |
| Applications: | WB IF/ICC ELISA |
| Conjugation: | Unconjugated |
| Reactivity: | Human, Mouse, Rat |

Antibody Data

| | |
|-----------------------|-----------------------|
| Gene ID: | 216799 |
| Uniprot: | - |
| Host Species: | Rabbit |
| Purification: | Affinity purification |
| Observed MW: | 110kDa |
| Calculated MW: | 118kDa |

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH7.3.

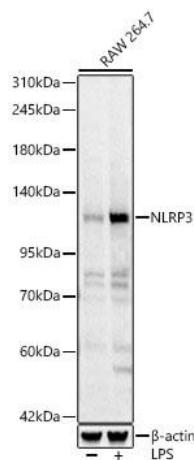
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: RAW 264.7 treated with LPS

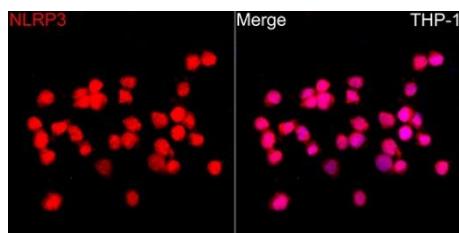
| | | |
|-------------------------------|---------------|---|
| Recommended Dilutions: | WB | 1:1000 - 1:5000 |
| | IF/ICC | 1:50 - 1:200 |
| | ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

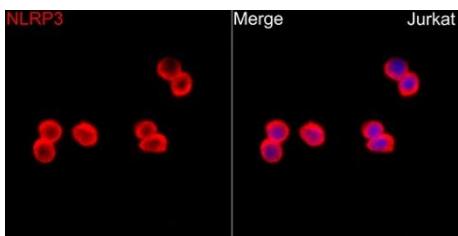
Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data

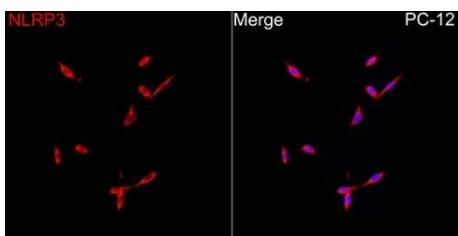


Western blot analysis of lysates from RAW 264.7 cells using NLRP3 Rabbit pAb (CAB21906) at 1:5000 dilution. Raw 264.7 cells were treated with LPS (1 µg/ml) at 37°C for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.





Immunofluorescence analysis of Jurkat cells using NLRP3 Rabbit pAb(CAB21906) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NLRP3 Rabbit pAb (CAB21906) at a dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.