

# Product Datasheet

## NLRP3/NALP3 Antibody (25N10E9) - BSA Free NBP2-03948

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-03948**

NLRP3/NALP3 Antibody (25N10E9) - BSA Free

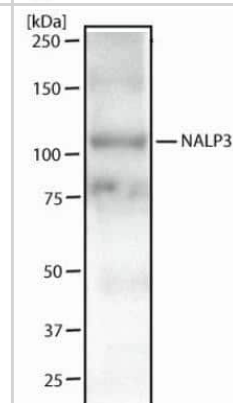
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	25N10E9
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	114548
<b>Gene Symbol</b>	NLRP3
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	The epitope that 25N10E9 binds to the NOD region of NLRP3/NALP3 has not been mapped.
<b>Immunogen</b>	A recombinant protein corresponding to the NOD domain of murine NLRP3/NALP3 Antibody (25N10E9) (amino acids 216-385) was used as the immunogen for this antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western
<b>Recommended Dilutions</b>	Western Blot 2-5 ug/ml, Simple Western 1:50
<b>Application Notes</b>	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size.

## Images

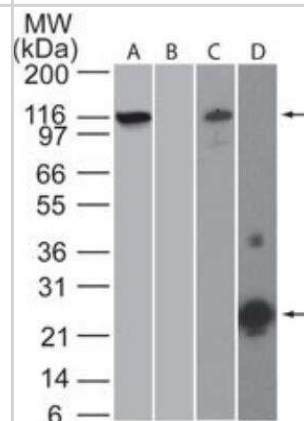
Simple Western: NLRP3/NALP3 Antibody (25N10E9) [NBP2-03948] - Simple Western lane view shows a specific band for NALP3 in 0.5 mg/ml of RAW lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: NLRP3/NALP3 Antibody (25N10E9) [NBP2-03948] - Analysis of Raw 264 cell lysate using NLRP3/NALP3 antibody (NBP2-03948) at 2 ug/ml.



Western Blot: NLRP3/NALP3 Antibody (25N10E9) [NBP2-03948] - Analysis using the NALP3 monoclonal antibody in mouse NALP3 transfected cell lysate (A), human NALP3 transfected cell lysate (B), mouse RAW lysate (C) and the recombinant mouse NLRP3 NOD domain protein immunogen (D) probed with 2 ug/ml antibody. Goat anti-mouse IgG HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



## Publications

Chao YY, Puhach A, Frieser D et al. Human TH17 cells engage gasdermin E pores to release IL-1 $\beta$  on NLRP3 inflammasome activation *Nature immunology* 2023-02-01 [PMID: 36604548] (Simple Western, Human)

Perez-Martinez PI, Rojas-Espinosa O, Hernandez-Chavez VG et al. Anti-inflammatory effect of omega unsaturated fatty acids and dialysable leucocyte extracts on collagen-induced arthritis in DBA/1 mice *Int J Exp Pathol* 2020-05-28 [PMID: 32459025] (IF/IHC, Mouse)



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### **Products Related to NBP2-03948**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-03948B	NLRP3/NALP3 Antibody (25N10E9) [Biotin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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