

Product Datasheet

NLRP3/NALP3 Antibody NB100-41104

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-41104**NLRP3/NALP3 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	106 kDa

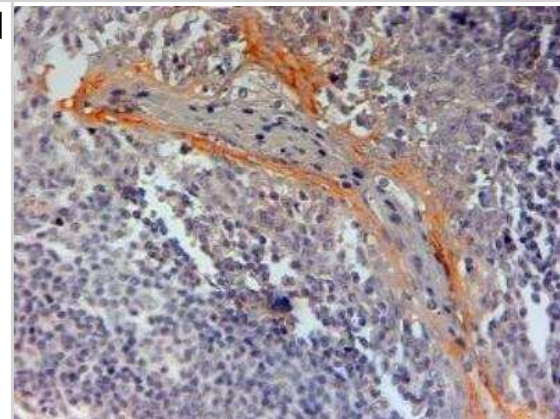
Product Description	
Host	Goat
Gene ID	114548
Gene Symbol	NLRP3
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise all five reported isoforms (NP_004886.3; NP_899632.1; NP_001230062.1; NP_001120933.1; NP_001120934.1). Reported variants represent identical protein (NP_004886.3 and NP_001073289.1).
Immunogen	Peptide with sequence C-DLYEKAKRDEPK corresponding to internal region of NLRP3/NALP3 Antibody according to NP_004886.3, NP_899632.1, NP_001230062.1, NP_001120933.1, NP_001120934.1.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Immunohistochemistry 2 - 4 ug/ml, Immunohistochemistry-Paraffin 2 - 4 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Preliminary experiments gave an approx. 70 kDa band in human lymph node and tonsil lysates after 0.3 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 118 kDa band according to NP_004886.3 and 106 kDa band according to NP_899632.1. The 70 kDa band was successfully blocked by incubation with the immunizing peptide. IHC-P: Human tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts.



Images

Immunohistochemistry-Paraffin: NLRP3/NALP3 Antibody [NB100-41104]
- Human Tonsil shows focal and interstitial staining of the inflammatory elements close to the epithelia of the tonsil crypts.



Publications

Zhang G, Chen H, Guo Y et al. Activation of Platelet NLRP3 Inflammasome in Crohn's Disease *Frontiers in Pharmacology* 2021-06-28 [PMID: 34262463]

Wei J, Chen Q, James JL et al. IL-1 beta but not the NALP3 inflammasome is an important determinant of endothelial cell responses to necrotic/dangerous trophoblastic debris. *Placenta* 2015-12-01 [PMID: 26515928]

Kanneganti TD, Ozoren N, Body-Malapel M et al. Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. *Nature* 2006-03-09 [PMID: 16407888]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-41104

NBL1-13675	NLRP3/NALP3 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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