

Product Datasheet

NLRP1/NALP1 Antibody - BSA Free NBP1-54899

Unit Size: 100 ul

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

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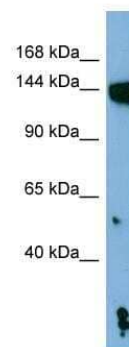
NBP1-54899

NLRP1/NALP1 Antibody - BSA Free

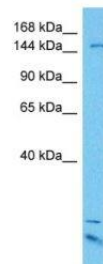
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	22861
Gene Symbol	NLRP1
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 30342528). Cow: 85%; Dog: 86%; Guinea Pig: 85%; Horse: 85%; Pig: 86%; Rabbit: 85%.
Immunogen	Synthetic peptides corresponding to NLRP1(NLR family, pyrin domain containing 1) The peptide sequence was selected from the N terminal of NLRP1 (NP_001028225). DTQEPRIVILQGAAGIGKSTLARQVKEAWGRGQLYGDRFQHVFYFSCREL. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Use in Immunocytochemistry/immunofluorescence and Immunohistochemistry-Frozen reported in scientific literature (PMID 24008734).

Images

Western Blot: NLRP1/NALP1 Antibody [NBP1-54899] - NCI-H226 cell lysate, concentration 0.2-1 ug/ml.



Western Blot: NLRP1/NALP1 Antibody [NBP1-54899] Human MCF7 whole cell. Antibody Dilution: 1ug/ml



Host: Rabbit
Target Name: NLRP1
Sample Type: MCF7 Cell Lysate
Antibody Dilution: 1.0 μ g/ml

Publications

Pérez-Sisqueras L, Solana-Balaguer J, Campoy-Campos G et al. RTP801/REDD1 Is Involved in Neuroinflammation and Modulates Cognitive Dysfunction in Huntington's Disease *Biomolecules* 2021-12-27 [PMID: 35053183]

Chen SH, Scott XO, Ferrer Marcelo Y et al. Netosis and Inflammasomes in Large Vessel Occlusion Thrombi *Frontiers in Pharmacology* 2021-01-22 [PMID: 33569001]

Inés Muela-Zarzuola, Juan Miguel Suarez-Rivero, Andrea Gallardo-Orihuela, Chun Wang, Kumi Izawa, Marta de Gregorio-Procopio, Isabelle Couillin, Bernhard Ryffel, Jiro Kitaura, Alberto Sanz, Thomas von Zglinicki, Gabriel Mbalaviele, Mario D Cordero NLRP1 inflammasome promotes senescence and senescence-associated secretory phenotype. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]* 2024-06-21 [PMID: 38907167]

Xiaofan Yu, Gabrielle Benitez, Peter Tszki Wei, Sofia V. Krylova, Ziyi Song, Li Liu, Meifan Zhang, Alus M. Xiaoli, Henna Wei, Fenfen Chen, Simone Sidoli, Fajun Yang, Kosaku Shinoda, Jeffrey E. Pessin, Daorong Feng Involution of brown adipose tissue through a Syntaxin 4 dependent pyroptosis pathway *Nature Communications* 2024-04-02 [PMID: 38565851]

Muela-Zarzuola IS, Suarez-Rivero JM, Gallardo-Orihuela A et al. NLRP1 inflammasome modulates senescence and senescence-associated secretory phenotype *bioRxiv : the preprint server for biology* 2023-02-10 [PMID: 36798300] (WB, Human)

Li Y, Li Z, He F et al. Electroacupuncture alleviates cognitive dysfunction and neuronal pyroptosis in septic mice *Acupuncture in medicine : journal of the British Medical Acupuncture Society* 2022-10-18 [PMID: 36255337]

Chen, S, Zuo, Y Et al. The MC4 receptor agonist RO27-3225 inhibits NLRP1-dependent neuronal pyroptosis via the ASK1/JNK/p38 MAPK pathway in a mouse model of intracerebral haemorrhage. *Br J Pharmacol* 2019-05-01 [PMID: 30811584] (IF/IHC, Mouse)

Logan S Roles of Inflammatory Signaling and MicroRNA in the Adipose Stress Response of Hibernating *Ictidomys Tridecemlineatus* Thesis 2021-11-26

Pérez-Sisqueras L, Solana-Balaguer J, Campoy-Campos G Et al. RTP801/REDD1 is Involved in Neuroinflammation and Modulates Cognitive Dysfunction in Huntington's Disease preprint Nov 26 2021 12:00AM (WB, Mouse)

Pérez-Sisqueras L, Sancho-Balsells A, Solana-Balaguer J et al. RTP801/REDD1 contributes to neuroinflammation severity and memory impairments in Alzheimer's disease *Cell Death & Disease* 2021-06-01 [PMID: 34131105] (WB)

Chien CS, Li JY, Chien Y et al. METTL3-dependent N6-methyladenosine RNA modification mediates the atherogenic inflammatory cascades in vascular endothelium *Proceedings of the National Academy of Sciences of the United States of America* 2021-02-16 [PMID: 33579825]

Lyon H, Shome A, Rupenthal ID, et al. Tonabersat Inhibits Connexin43 Hemichannel Opening and Inflammasome Activation in an In Vitro Retinal Epithelial Cell Model of Diabetic Retinopathy *International journal of molecular sciences* 2020-12-30 [PMID: 33396676] (ICC/IF, Human)

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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

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56147PEP	NLRP1/NALP1 Antibody Blocking Peptide

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