

Product Datasheet

NLRP1/NALP1 Antibody (Nalpy1-4) - BSA Free NBP1-97593

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-97593

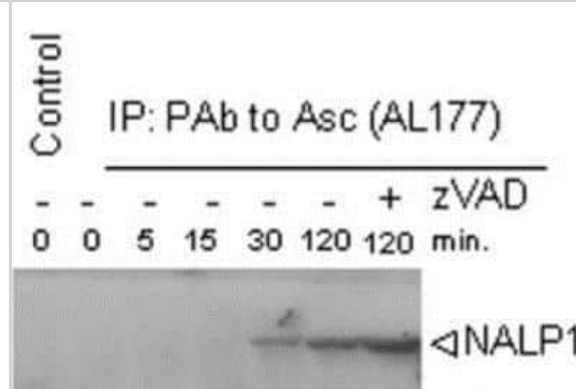
NLRP1/NALP1 Antibody (Nalpy1-4) - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Nalpy1-4
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene Symbol	NLRP1
Species	Human
Reactivity Notes	Does not cross-react with mouse NLRP1/NALP1.
Specificity/Sensitivity	Recognizes the pyrin domain (PYD) of human NLRP1/NALP1..
Immunogen	Recombinant human NLRP1/NALP1 (NACHT-, LRR- and PYD-containing protein 1) (pyrin domain).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

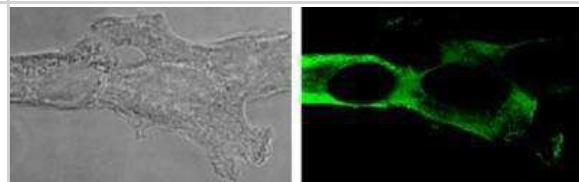


Images

Western Blot: NLRP1/NALP1 Antibody (Nalpy1-4) [NBP1-97593] - Analysis of the time course of assembly of the inflammasome using MAb to NLRP1/NALP1 (Nalpy1-4) in THP-1 macrophages. Method: Assembly of the inflammasome was induced by shifting the temperature to 30°C after hypotonic lysis. THP-1 cell extracts were immunoprecipitated using PAb to Asc (AL177) and run on SDS-PAGE. NLRP1/NALP1 was detected by MAb to NALP1 (Nalpy1-4) at 1:1000 dilution. Anti-mouse IgG coupled horse radish peroxidase was used at 1:5000 dilution for ECL detection. For more information about the 'time course assembly of inflammasome' method see F. Martinon; Mol. Cell. 10, 417 (2002).



Immunocytochemistry/Immunofluorescence: NALP1 Antibody (Nalpy1-4) [NBP1-97593] - Detection of NLRP1/NALP1 in 293T cells transfected with a human NLRP1/NALP1 expression plasmid. Left: Phase contrast. Right: Staining with MAb to NLRP1/NALP1 (Nalpy1-4). Method: 293T cells transfected with full length human NLRP1/NALP1 were fixed with 4% paraformaldehyde and stained with 1 µg/ml MAb to NLRP1/NALP1 (Nalpy1-4) and then Alexa 488 (1:300 dilution).



Publications

Bi F, Bai Y, Zhang Y, Liu W Ligustroflavone exerts neuroprotective activity through suppression of NLRP1 inflammasome in ischaemic stroke mice Experimental and therapeutic medicine 2023-01-01 [PMID: 36561613] (WB, Mouse)

Möhlen K, Hau A, Bondet V et al. Activation of NLRP3 Inflammasome in the Skin of Patients with Systemic and Cutaneous Lupus Erythematosus Acta Dermato-Venereologica 2022-05-10 [PMID: 35356994]

Verma D, Fekri SZ, Sigurdardottir G et al. Enhanced inflammasome activity in patients with psoriasis promotes systemic inflammation J. Invest. Dermatol. 2020-09-04 [PMID: 32896537]

Bhardwaj S, Rani S, Kumaran MS et al. Expression of Th17- and Treg-specific transcription factors in vitiligo patients Int. J. Dermatol. 2020-01-07 [PMID: 31909498]

JA Kummer et al. Inflammasome components NALP 1 and 3 show distinct but separate expression profiles in human tissues suggesting a site-specific role in the inflammatory response. J. Histochem. Cytochem. 55, 443. 2007-01-01 [PMID: 17164409]



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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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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