

Product Datasheet

NCF1 Antibody NB100-790

Unit Size: 0.1 mg

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

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NB100-790**NCF1 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

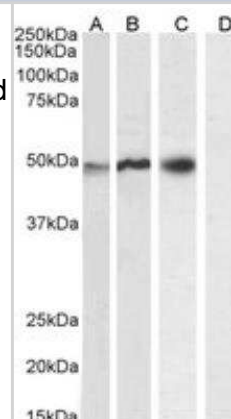
Product Description	
Description	Novus Biologicals Goat NCF1 Antibody (NB100-790) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-NCF1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	653361
Gene Symbol	NCF1
Species	Human, Mouse, Porcine, Bacteria
Reactivity Notes	Bacteria reactivity reported in scientific literature (PMID: 28725637).
Immunogen	Peptide with sequence C-SESTKRKLASAV corresponding to C-Terminus according to NP_000256.3.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 0.01 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:20000
Application Notes	WB: Approx 48 kDa band observed in lysates of cell lines Daudi, U251 and U937 and in Mouse Thymus, and approx, 50 kDa in Pig Spleen lysates (calculated MW of 44.7 kDa according to Human NP_000256.4, 46.0 kDa according to Mouse NP_001272966.1 and 45.3kDa according to Pig NP_001106691.1). Use in immunoprecipitation reported in scientific literature (PMID:28725637).

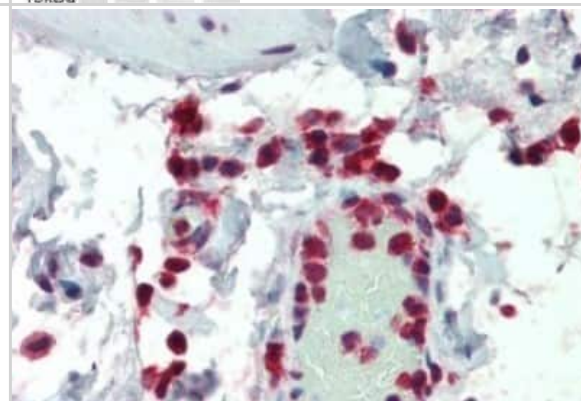


Images

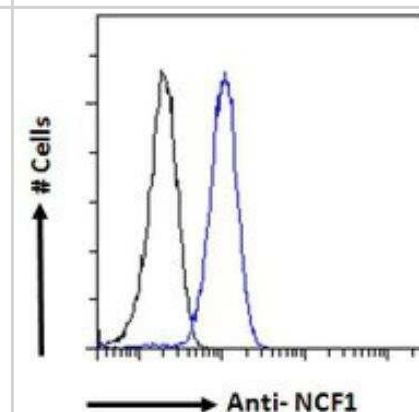
Western Blot: NCF1 Antibody [NB100-790] - Staining of U937 (A), Daudi (B), U251 (C) and negative control A431 (D) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.2, 0.01, and 0.3 ug/mL respectively. Detected by chemiluminescence.



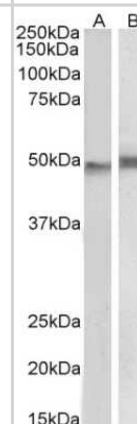
Immunohistochemistry-Paraffin: NCF1 Antibody [NB100-790] - Staining of paraffin embedded Human Colon. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



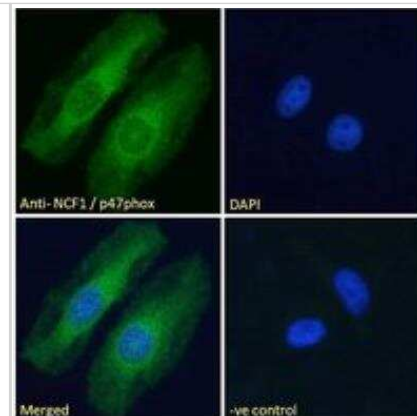
Flow Cytometry: NCF1 Antibody [NB100-790] - Analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: NCF1 Antibody [NB100-790] - Staining of Mouse Thymus (A) and Pig Spleen (B) lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.



Immunofluorescence: NCF1 Antibody [NB100-790] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Publications

Huang F, Ren X, Yuan B et al. Systemic mutation of Ncf1 ameliorates obstruction-induced renal fibrosis while macrophage-rescued NCF1 further alleviates renal fibrosis *Antioxidants & redox signaling* 2023-06-30 [PMID: 37392014]

Johnson JL, Ramadass M, Rahman F et al. The atypical small GTPase GEM/Kir is a negative regulator of the NADPH oxidase and NETs production through macroautophagy *Journal of leukocyte biology* 2021-06-04 [PMID: 34085299] (IF/IHC)

Zhou L, Tang J et al. Five Constituents in *Psoralea corylifolia* L. Attenuate Palmitic Acid-Induced Hepatocyte Injury via Inhibiting the Protein Kinase C-alpha/Nicotinamide-Adenine Dinucleotide Phosphate Oxidase Pathway. *Front Pharmacol* 2020-03-03 [PMID: 32116659] (ICC/IF, Mouse)

Roberts JoAnn S, Atanasova Kalina R, Lee Junnam et al. Opportunistic Pathogen *Porphyromonas gingivalis* Modulates Danger Signal ATP-Mediated Antibacterial NOX2 Pathways in Primary Epithelial Cells. *Frontiers in Cellular and Infection Microbiology* 2017-07-04 [PMID: 28725637] (IP, Bacteria)

Davidson-Moncada JK, Lopez-Lluch G, Segal AW, Dekker LV Involvement of protein kinase D in Fc gamma-receptor activation of the NADPH oxidase in neutrophils. *Biochem J* 2002-04-01 [PMID: 11903052]



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Products Related to NB100-790

NBL1-13509	NCF1 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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