


Product datasheet

Anti-NCF1/p47-phox antibody ab795

★★★★★ [2 Abreviews](#) [18 References](#) [3 Images](#)

Overview

Product name	Anti-NCF1/p47-phox antibody
Description	Goat polyclonal to NCF1/p47-phox
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human, Pig Predicted to work with: Rat, Rabbit, Cow 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: U937, Daudi, and U251 cell lysates, Mouse thymus and pig spleen tissue lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Primary antibody notes	NCF1 is a cytosolic subunit of the multi-protein complex known as NADPH oxidase found in neutrophils.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab795 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	Use a concentration of 0.5 - 1.5 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa). 1 hour primary incubation is recommended for this product.

Target

Function

NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).

Involvement in disease

Defects in NCF1 are the cause of chronic granulomatous disease autosomal recessive cytochrome-b-positive type 1 (CGD1) [MIM:233700]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.

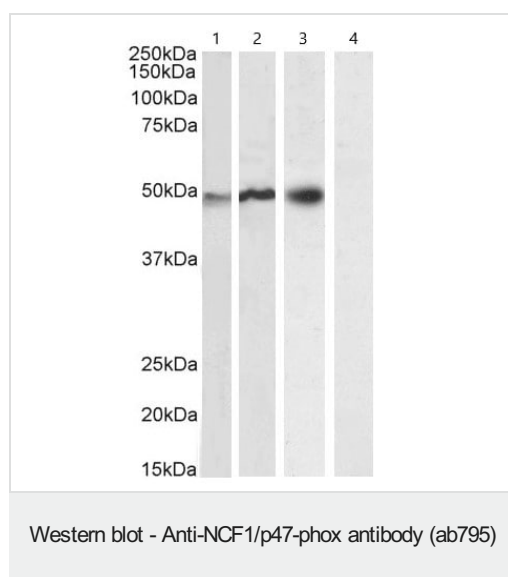
Sequence similarities

Contains 1 PX (phox homology) domain.
Contains 2 SH3 domains.

Cellular localization

Cytoplasm.

Images



Lane 1 : Anti-NCF1/p47-phox antibody (ab795) at 0.2 µg/ml

Lane 2 : Anti-NCF1/p47-phox antibody (ab795) at 0.01 µg/ml

Lanes 3-4 : Anti-NCF1/p47-phox antibody (ab795) at 0.3 µg/ml

Lane 1 : U937 (human histiocytic lymphoma cell line) cell lysate

Lane 2 : Daudi (human Burkitt's lymphoma cell line) cell lysate

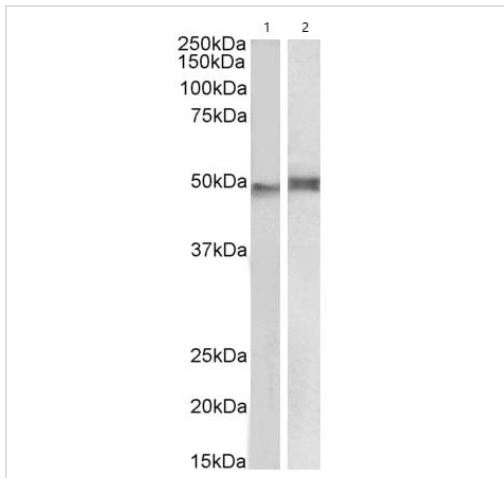
Lane 3 : U-251 MG (formally U-373 MG) (human brain glioma cell line) whole cell lysate

Lane 4 : A431 (human epidermoid carcinoma cell line) whole cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 45 kDa

Lysates prepared in RIPA buffer. Primary incubated for 1 hour.
Detected by Western blot using chemiluminescence.



Western blot - Anti-NCF1/p47-phox antibody (ab795)

All lanes : Anti-NCF1/p47-phox antibody (ab795) at 1 µg/ml

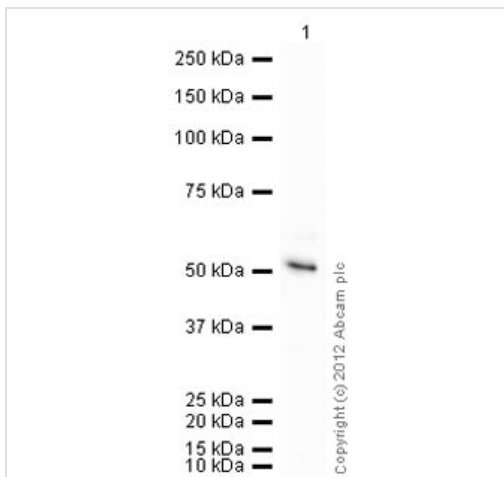
Lane 1 : Mouse thymus lysate

Lane 2 : Pig spleen lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 45 kDa

Lysates prepared in RIPA buffer. Primary incubated for 1 hour.
Detected by Western blot using chemiluminescence.



Western blot - Anti-NCF1/p47-phox antibody (ab795)

Anti-NCF1/p47-phox antibody (ab795) at 1.5 µg/ml + Recombinant
Human NCF1/p47-phox protein ([ab98054](#)) at 0.1 µg

Secondary

Rabbit polyclonal to Goat IgG - H&L - Pre-Adsorbed (HRP)
([ab65486](#)) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 45 kDa

Exposure time: 8 minutes

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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