

Product datasheet

Anti-NCF1 antibody ab63361

[2 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-NCF1 antibody |
| Description | Rabbit polyclonal to NCF1 |
| Specificity | This antibody detects endogenous levels of total Neutrophil Cytosol Factor 1 protein |
| Tested applications | Suitable for: ELISA, ICC/IF, WB |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic non-phosphopeptide derived from human NCF1 around the phosphorylation site of serine 304 (R-S-S ^P -I-R) |
| Positive control | UV treated COS7 cell extracts; HeLa cells |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Storage buffer | Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4 |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab63361** in the following tested applications.

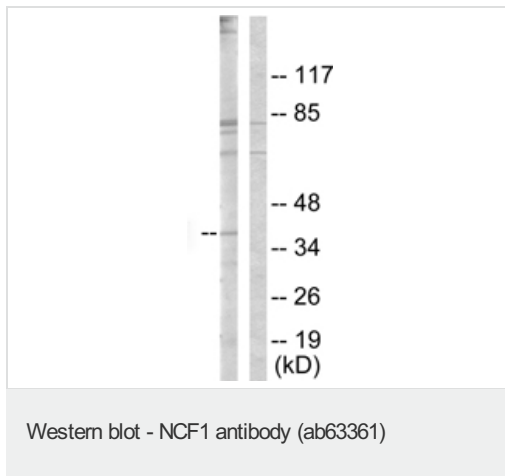
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| ELISA | | 1/10000. |
| ICC/IF | | 1/500 - 1/1000. |
| WB | | 1/500 - 1/1000. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa). |

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



All lanes : Anti-NCF1 antibody (ab63361) at 1/500 dilution

Lane 1 : extracts from COS7 cells, treated with UV (15mins)

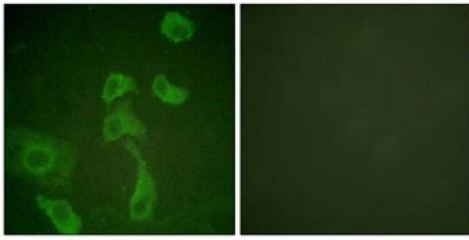
Lane 2 : extracts from COS7 cells, treated with UV (15mins) with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size : 45 kDa

Observed band size : 45 kDa

Additional bands at : 70 kDa (possible non-specific binding), 84 kDa (possible non-specific binding).



Peptide - +

Immunocytochemistry/ Immunofluorescence - NCF1 antibody (ab63361)

Immunofluorescence analysis of NCF1 expression in HeLa cells, using 1/500 ab63361. Left: untreated cells. Right: cells treated with immunising peptide.

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