abcam

Product datasheet

Anti-NCF1 antibody ab63361

2 Images

Overview

Product name	Anti-NCF1 antibody
Description	Rabbit polyclonal to NCF1
Host species	Rabbit
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.

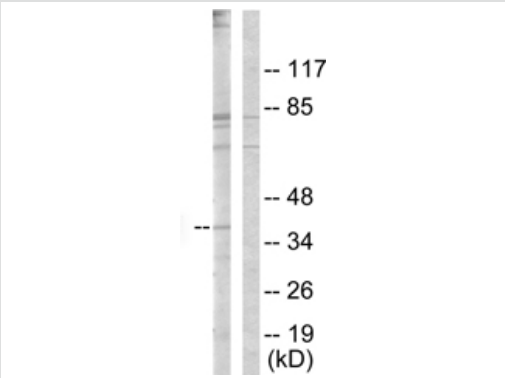
Application	Abreviews	Notes
ELISA		1/10000.
ICC/IF		1/500 - 1/1000.

Application	Abreviews	Notes
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



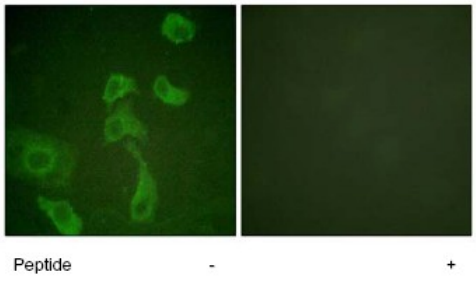
Western blot - Anti-NCF1 antibody (ab63361)

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)



Immunocytochemistry/ Immunofluorescence - Anti-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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