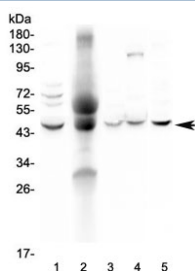


## NCF1 Antibody / p47phox (RQ4196)

Catalog No.	Formulation	Size
RQ4196	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P14598
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This NCF1 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human blood, 3) rat thymus, 4) rat lung and 5) mouse NIH3T3 lysate with NCF1 antibody at 0.5ug/ml. Expected molecular weight ~47 kDa.

## Description

Neutrophil cytosol factor 1, also known as p47phox, is a protein that in humans is encoded by the NCF1 gene. The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease.

## Application Notes

Optimal dilution of the NCF1 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids M1-D270 was used as the immunogen for the NCF1 antibody.

## Storage

After reconstitution, the NCF1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.