

**p47 phox (Ab-345) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50679**

**Specification**

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**p47 phox (Ab-345) Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P14598</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>45 31 KDa</b>
Antigen Region	<b>330-356</b>

**p47 phox (Ab-345) Antibody - Additional Information**

**Gene ID** 653361

**Other Names**

Neutrophil cytosol factor 1, NCF-1, 47 kDa autosomal chronic granulomatous disease protein, 47 kDa neutrophil oxidase factor, NCF-47K, Neutrophil NADPH oxidase factor 1, Nox organizer 2, Nox-organizing protein 2, SH3 and PX domain-containing protein 1A, p47-phox, NCF1, NOXO2, SH3PXD1A

**Dilution**

WB~~1:1000

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**p47 phox (Ab-345) Antibody - Protein Information**

**Name** NCF1

**Synonyms** NOXO2, SH3PXD1A

**Function**

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

**Cellular Location**

Cytoplasm, cytosol. Membrane; Peripheral membrane protein; Cytoplasmic side

**Tissue Location**

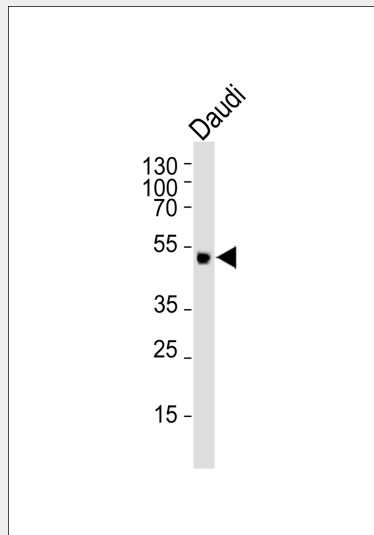
Detected in peripheral blood monocytes and neutrophils (at protein level).

### **p47 phox (Ab-345) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **p47 phox (Ab-345) Antibody - Images**



Western blot analysis of lysate from Daudi cell line, using p47 phox (Ab-345) Antibody (AP50679). AP50679 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

### **p47 phox (Ab-345) Antibody - Background**

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

### **p47 phox (Ab-345) Antibody - References**

- Volpp B.D., et al. Proc. Natl. Acad. Sci. U.S.A. 86:7195-7199(1989).  
Volpp B.D., et al. Proc. Natl. Acad. Sci. U.S.A. 86:9563-9563(1989).  
Lomax K.J., et al. Science 245:409-412(1989).  
Rodaway A.R.F., et al. Mol. Cell. Biol. 10:5388-5396(1990).  
Gorlach A., et al. J. Clin. Invest. 100:1907-1918(1997).