

## p47-phox (Phospho Ser359) Rabbit pAb

CatalogNo: YP0944 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 45kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:5000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser359. AA range:331-380

**Specificity**

Phospho-p47-phox (S359) Polyclonal Antibody detects endogenous levels of p47-phox protein only when phosphorylated at S359. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): QRsKP

**| Target Information**

**Gene name** NCF1

**Protein Name** Neutrophil cytosol factor 1

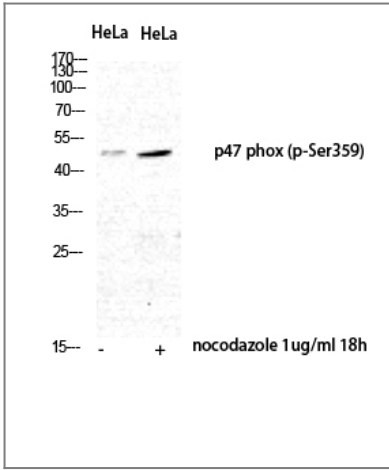
Organism	Gene ID	UniProt ID
Human	<a href="#">653361</a> ;	<a href="#">P14598</a> ;
Mouse		<a href="#">Q09014</a> ;

**Cellular Localization** Cytoplasm, cytosol . Membrane ; Peripheral membrane protein ; Cytoplasmic side .

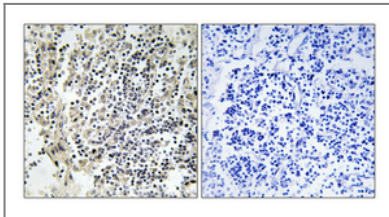
**Tissue specificity** Detected in peripheral blood monocytes and neutrophils (at protein level).

**Function** 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. Function: NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production). online information: NCF1 deficiency database, similarity: Contains 1 PX (phox homology) domain. similarity: Contains 2 SH3 domains. subunit: Interacts with NOXA1.

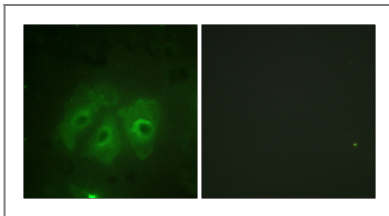
**| Validation Data**



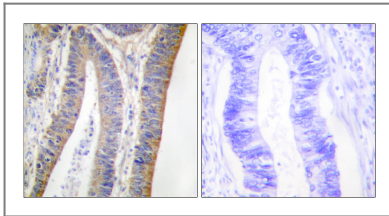
Western Blot analysis of HeLa nocodazole 1ug/ml 18h cells using Phospho-p47-phox (S359) Polyclonal Antibody diluted at 1:500



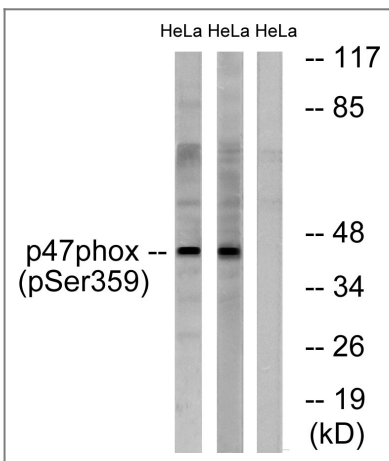
Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HeLa cells, using p47 phox (Phospho-Ser359) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using p47 phox (Phospho-Ser359) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with nocodazole 1ug/ml 18h, using p47 phox (Phospho-Ser359) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: http://www.immunoway.com.cn  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**p47-phox (Phospho  
Ser359) Rabbit pAb**

---

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)