

## p47 phox (Phospho-S345) polyclonal antibody

Catalog: BS64575

Host: Rabbit

Reactivity: Rat

### BackGround:

The heredity disease chronic granulomatous disease (CGF) has been linked to mutations in p47-phox and p67-phox. The cytosolic proteins p47-phox and p67-phox, also designated neutrophil cytosol factor (NCF)1 and NCF2, respectively, are required for activation of the superoxide-producing NADPH oxidase in neutrophils and other phagocytic cells. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane where they associate with cytochrome b558 and the small G protein Rac to form the functional enzyme complex. Both p47-phox and p67-phox contain two Src homology 3 (SH3) domains. The C-terminal SH3 domain of p67-phox has been shown to interact with the proline rich domain of p47-phox, suggesting that p47-phox may facilitate the transport of p67-phox to the membrane.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 47 kDa

### Swiss-Prot:

P14598

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000 IHC:1:50~1:200

### Storage&Stability:

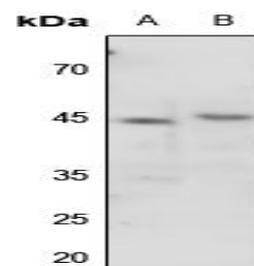
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p47 phox (Phospho-S345) polyclonal antibody detects endogenous levels of p47

phox protein only when phosphorylated at Ser345.

### DATA:



Western blot (WB) analysis of p47 phox (Phospho-S345) polyclonal antibody at 1:500 dilution

LaneA:The Lung tissue lysate of Rat

LaneB:The Liver tissue lysate of Rat

### Note:

For research use only, not for use in diagnostic procedure.

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