

p47-phox polyclonal antibody

Catalog: BS61365

BackGround:

Host: Rabbit

The heredity chronic granulomatous disease (CGF) has

been linked to mutations in p47-phox and p67-phox. The

cytosolic proteins p47-phox and p67-phox, also desig-

nated neutrophil cytosol factor (NCF)1 and NCF2, re-

spectively, are required for activation of the superox-

ide-producing NADPH oxidase in neutrophils and other

phagocytic cells. During activation of the NADPH oxi-

dase, 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 en-

zyme 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 faciliate the transport of p67-phox to the

1 mg/ml in Phosphate buffered saline (PBS) with 0.05%

Reactivity: Human

munogen and the purity is > 96% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

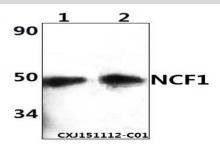
Storage&Stability:

Store at $4 \,^{\circ}{\rm C}$ short term. Aliquot and store at $-20 \,^{\circ}{\rm C}$ long term. Avoid freeze-thaw cycles.

Specificity:

NCF1 polyclonal antibody detects endogenous levels of NCF1 protein.

DATA:



Western blot (WB) analysis of NCF1 polyclonal antibody at 1:500 dilution

Lane1:Jurkat whole cell lysate(40ug)

Lane2:THP-1 whole cell lysate(40ug)

Note:

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

P14598

~ 47 kDa

Swiss-Prot:

membrane.

Product:

Purification&Purity:

Molecular Weight:

sodium azide, approx. pH 7.3.

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

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