p47-phox (P300) polyclonal antibody

Catalog: BCP01240 Host: Rabbit Reactivity: Human,Mouse,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 doamin 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 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

IF: 1:50~1:200

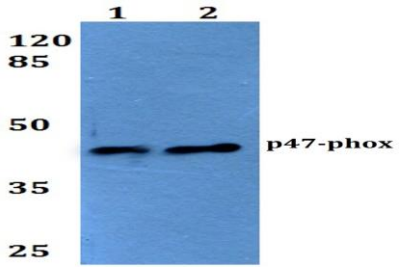
Storage&Stability:

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

Specificity:

p47-phox (P300) polyclonal antibody detects endogenous levels of p47-phox protein.

DATA:

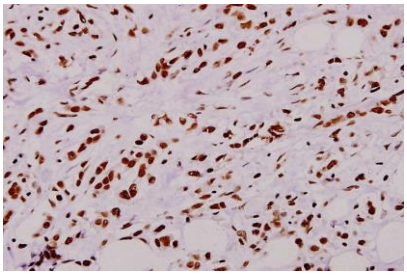


Western blot (WB) analysis of p47-phox (P300) pAb at 1:500 dilution

Lane1:PMVEC whole cell lysate(40ug)

Lane2:Jurkat whole cell lysate(40ug)

Lane3:The Lung tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of p47-phox (P300) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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