

## Polyclonal Antibody to p47-phox - Aff - Purified

**Catalog No.:** AP01365PU-N

**Quantity:** 0.1 mg

**Concentration:** 1,0 mg/ml

**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.

**Host:** Rabbit

**Format:** **State:** Liquid purified Ig  
**Purification:** Affinity chromatography  
**Buffer System:** Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

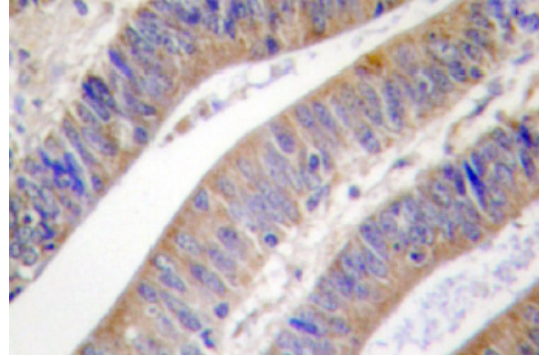
**Applications:** ELISA: 1:1000~1:5000.  
WB: 1:500~1:1000.  
IHC: 1:50~1:200.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** p47-phox antibody detects endogenous levels of p47-phox protein.  
**Species:** Human.  
Other species not tested.

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of p47-phox antibody in paraffin-embedded human colon carcinoma tissue



Western blot (WB) analysis of p47-phox antibody in extracts from HeLa treated cells with TSA 400ng/ml 24h.

