

Anti- p47 phox (Phospho-Ser359) Polyclonal Antibody



Catalog No.	Size
A100143-01	50 µl
A100143-02	100 µl

Specificity	Anti- p47 phox (Phospho-Ser359) (human)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: P14598

Other Names: 47 kDa autosomal chronic granulomatous disease protein, 47 kDa neutrophil oxidase factor, NCF-1, NCF-47K, NCF1, Neutrophil NADPH oxidase factor 1, Neutrophil cytosol factor 1, Neutrophil cytosolic factor 1, P47 phox, p47-phox

Specificity and Sensitivity

p47 phox (Phospho-Ser359) antibody detects endogenous levels of p47 phox only when phosphorylated at serine 359.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human p47 phox around the phosphorylation site of serine 359 (Q-R-S^P-K-P).

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

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000	IHC: 1:50~1:100
IF: 1:100~1:500	ELISA: 1:5000

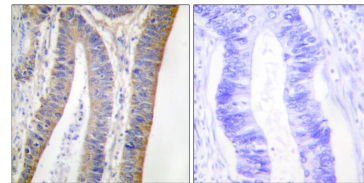
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

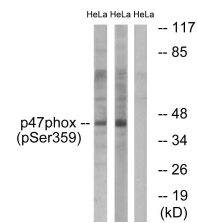
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



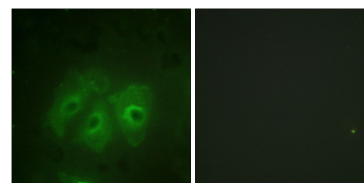
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using p47 phox (Phospho-Ser359) antibody.



Nocodazole	+ - +
TSA	- + +
P-peptide	- - +

Western blot analysis of extracts from HeLa cells treated with nocodazole (1ug/ml, 18hours) and HeLa cells treated with TSA (400nM, 24hours), using p47 phox (Phospho-Ser359) antibody.



P-peptide - +

Immunofluorescence analysis of HeLa cells, using p47 phox (Phospho-Ser359) antibody.