p47-phox (Phospho Ser304) Rabbit pAb

CatalogNo: YP0204 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Monkey

Applications
- WB,IHC,IF,ELISA

MW
- 44kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:20000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Neutrophil Cytosol Factor 1 around the phosphorylation site of Ser304. AA range:281-330

Specificity Phospho-p47-phox (S304) Polyclonal Antibody detects endogenous levels of p47-phox protein only when phosphorylated at S304.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RSsIR

Target Information

Gene name NCF1

Protein Name Neutrophil cytosol factor 1

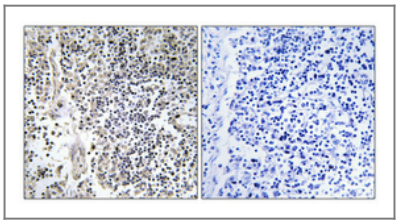
Organism	Gene ID	UniProt ID
Human	653361;	P14598;
Mouse		Q09014;

Cellular Localization Cytoplasm , cytosol . Membrane ; Peripheral membrane protein ; Cytoplasmic side .

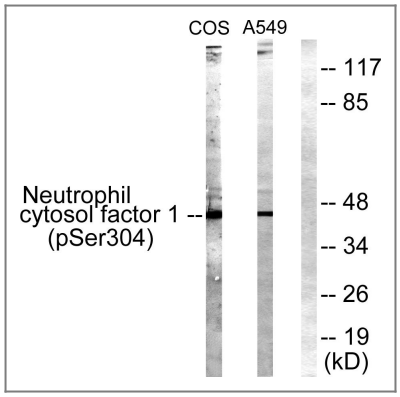
Tissue specificity Detected in peripheral blood monocytes and neutrophils (at protein level) .

Function Disease:Defects in NCF1 are the cause of chronic granulomatous disease autosomal recessive cytochrome-b-positive type 1 (CGD1) [MIM:233700]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections. ,Function:NCF2 , NCF1 , and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production) . ,online information:NCF1 deficiency database ,similarity:Contains 1 PX (phox homology) domain. ,similarity:Contains 2 SH3 domains. ,subunit:Interacts with NOXA1. ,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from COS7 cells treated with UV 15' and A549 cells, using Neutrophil Cytosol Factor 1 (Phospho-Ser304) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
p47-phox (Phospho Ser304) Rabbit pAb

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