# p47-phox (Phospho Ser370) Rabbit pAb

CatalogNo: YP1020

## Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 45kD (Calculated)

Isotype
- IgG

## Recommended Dilution Ratios

**WB 1:500-1:2000**
**IHC 1:100-1:300**
**ELISA 1:5000**
**IF 1:50-200**

## Storage

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| **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. |

## Basic Information

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| **Clonality** | Polyclonal |

## Immunogen Information

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| **Immunogen** | The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser370. AA range:341-390 |

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| **Specificity** | Phospho-p47-phox (S370) Polyclonal Antibody detects endogenous levels of p47-phox protein only when phosphorylated at S370.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):RPsAD |

## Target Information

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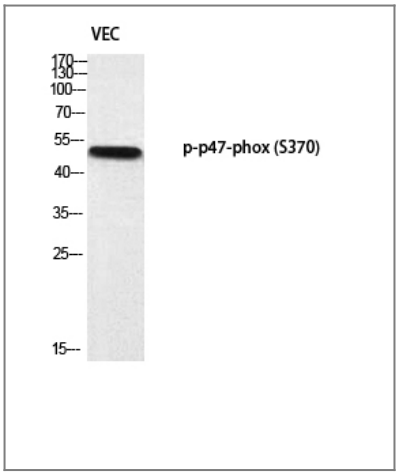
| **Gene name** | NCF1 |
| **Protein Name** | Neutrophil cytosol factor 1 |

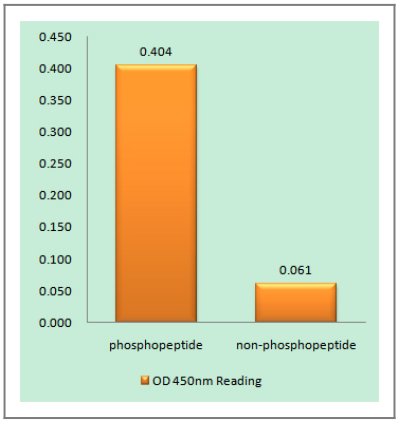
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 653361; | P14598; |
| Mouse | 17969; | Q09014; |

| | |
|---|---|
| **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., |

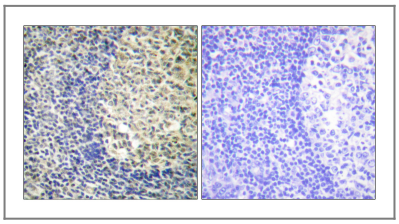
## Validation Data



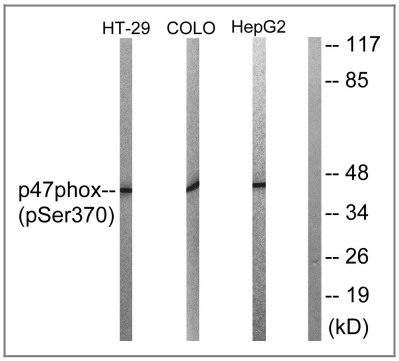

Western blot analysis of VEC using p-p47-phox (S370) antibody.




Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p47 phox (Phospho-Ser370) Antibody



Immunohistochemistry analysis of paraffin-embedded human tonsil, using p47 phox (Phospho-Ser370) Antibody. The picture on the right is blocked with the phospho peptide.




Western blot analysis of p47 phox (Phospho-Ser370) Antibody. The lane on the right is blocked with the p47 phox (Phospho-Ser370) peptide.

## Contact information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Please scan the QR code to access additional product information:
**p47-phox (Phospho Ser370) Rabbit pAb**