p47-phox (Phospho Ser328) Rabbit pAb

CatalogNo: YP1018 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat,Cow

Applications
- WB,IHC,IF,ELISA

MW
- 45kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:100-1:300
ELISA 1:10000
IF 1:50-200

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.

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 Ser328. AA range:301-350

Specificity	Phospho-p47-phox (S328) Polyclonal Antibody detects endogenous levels of p47-phox protein only when phosphorylated at S328.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):RNsVR

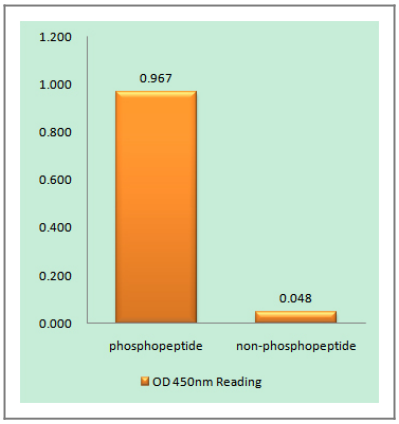
Target Information

Gene name	NCF1
Protein Name	Neutrophil cytosol factor 1

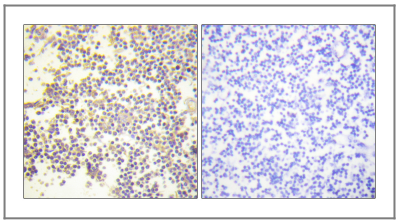
Organism	Gene ID	UniProt ID
Human	653361;	P14598;
Mouse	17969;	Q09014;

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



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Neutrophil Cytosol Factor 1 (Phospho-Ser328) Antibody



Immunohistochemistry analysis of paraffin-embedded human tonsil, using Neutrophil Cytosol Factor 1 (Phospho-Ser328) Antibody. The picture 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:
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