

p47-phox (phospho Ser328) Polyclonal Antibody

Catalog No: YP1018

Reactivity: Human; Mouse; Rat; Cow

Applications: WB;IHC;IF;ELISA

Target: p47-phox

Fields: >>Chemokine signaling pathway;>>Phagosome;>>Osteoclast

differentiation;>>Neutrophil extracellular trap formation;>>Fc gamma R-mediated

phagocytosis;>>Leukocyte transendothelial migration;>>Prion

disease;>>Leishmaniasis;>>Chemical carcinogenesis - reactive oxygen

species;>>Diabetic cardiomyopathy;>>Lipid and atherosclerosis;>>Fluid shear

stress and atherosclerosis

Gene Name: NCF1

Protein Name: Neutrophil cytosol factor 1

P14598

Q09014

Human Gene Id: 653361

Human Swiss Prot

No:

Mouse Gene ld: 17969

Mouse Swiss Prot

No:

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.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

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

1/3



Ditrification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 45kD

Cell Pathway: Chemokine;Fc gamma R-mediated phagocytosis;Leukocyte transendothelial

migration;

Background: The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil

NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with

chronic granulomatous disease. [provided by RefSeq, Jul 2008],

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.,

Subcellular Location:

Cytoplasm, cytosol . Membrane ; Peripheral membrane protein ; Cytoplasmic

side .

Expression: Detected in peripheral blood monocytes and neutrophils (at protein level).

Tag: orthogonal,hot

Sort: 11423

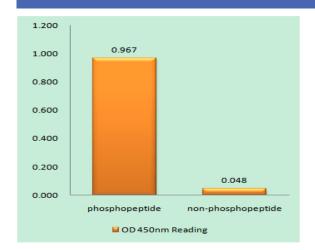
No4: 1

Host: Rabbit

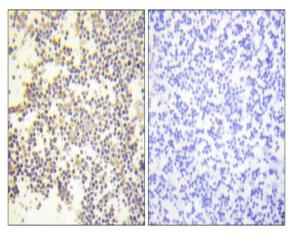
Modifications : Phospho



Products Images



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.