

Product Name: p47-phox (phospho Ser370) Rabbit Polyclonal Antibody
Catalog #: APRab05162

Summary

Production Name	p47-phox (phospho Ser370) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	ELISA,IHC,WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NCF1 NCF1; NOXO2; SH3PXD1A; Neutrophil cytosol factor 1; NCF-1; 47 kDa autosomal
Alternative Names	chronic granulomatous disease protein; 47 kDa neutrophil oxidase factor; NCF-47K; Neutrophil NADPH oxidase factor 1; Nox organizer 2; Nox-organizing protein 2; SH3
Gene ID	653361.0
SwissProt ID	P14598.The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser370. AA range:341-390

Application

Dilution Ratio	WB 1:500 - 1:2000 IHC 1:100 - 1:300. ELISA: 1:5000..
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Molecular Weight

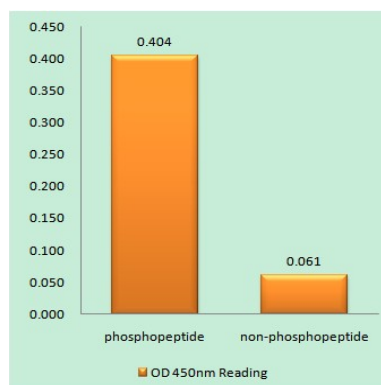
Background

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],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.,

Research Area

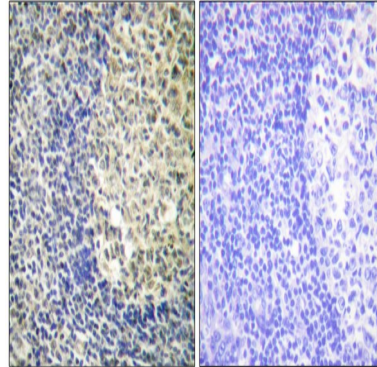
Chemokine;Fc gamma R-mediated phagocytosis;Leukocyte transendothelial migration;

Image Data

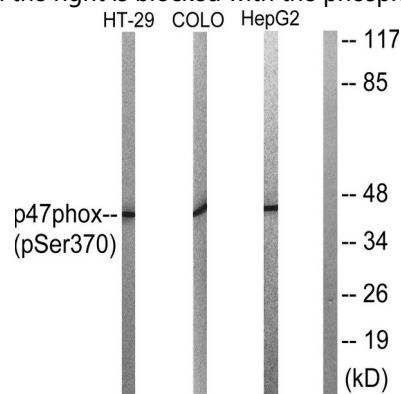


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using p47 phox (Phospho-Ser370) Antibody

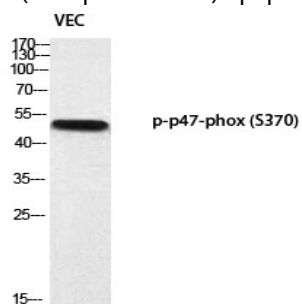
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Immunohistochemistry analysis of paraffin-embedded human tonsil, using p47 phox (Phospho-Ser370) Antibody. The picture on the right is blocked with the phospho peptide.



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



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

Note

For research use only.