
Product Name: p47-phox (phospho Ser345) Rabbit Polyclonal Antibody**Catalog #: APRab05160**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	45kDa

Antigen Information

Gene Name	NCF1 NCF1; NOXO2; SH3PXD1A; Neutrophil cytosol factor 1; NCF-1; 47 kDa autosomal 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
Immunogen	The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser345. AA range:311-360

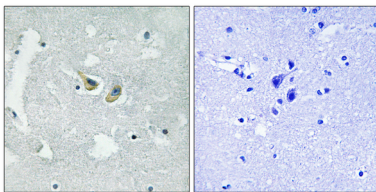
Background

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.,

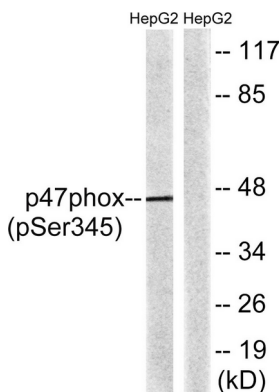
Research Area

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

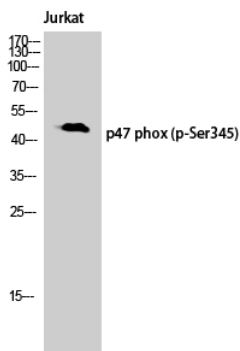
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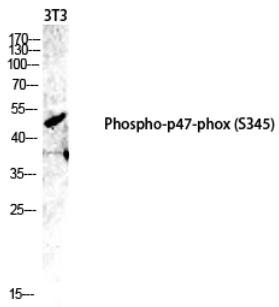
Immunohistochemistry analysis of paraffin-embedded human brain, using p47 phox (Phospho-Ser345) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with TNF 20ng/ml 5', using p47 phox (Phospho-Ser345) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of Jurkat cells using Phospho-p47-phox (S345) Polyclonal Antibody diluted at 1: 1000



Western blot analysis of 3T3 lysis using Phospho-p47-phox (S345) antibody.
Antibody was diluted at 1:1000