

Product Name: p47-phox Rabbit Polyclonal Antibody
Catalog #: APRab15631



Summary

Production Name	p47-phox Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
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% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NCF1
Alternative Names	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.The antiserum was produced against synthesized peptide derived from human p47 phox. AA range:341-390

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:5000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	44kDa

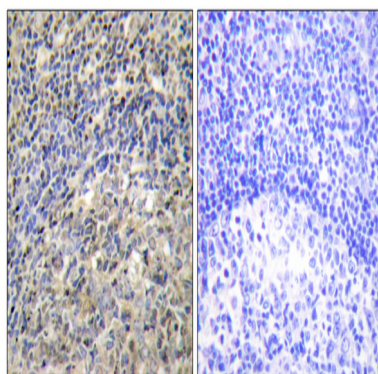
Background

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.,

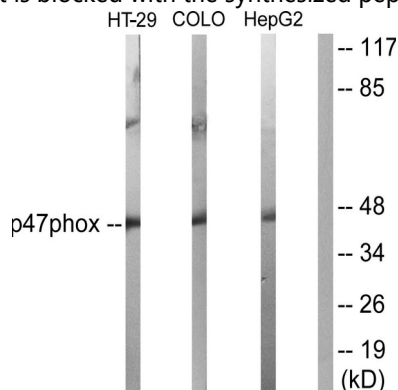
Research Area

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

Image Data



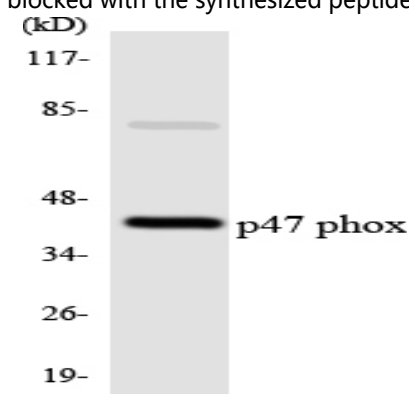
Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using p47 phox Antibody. The picture on the right is blocked with the synthesized peptide.



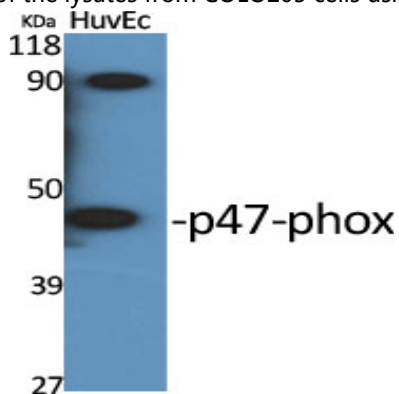
Product Name: p47-phox Rabbit Polyclonal Antibody
Catalog #: APRab15631



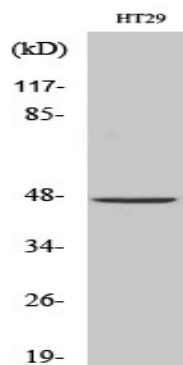
Western blot analysis of lysates from HT-29, COLO205, and HepG2 cells, , using p47 phox Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using p47 phox antibody.



Western Blot analysis of various cells using p47-phox Polyclonal Antibody



Western Blot analysis of COLO205 cells using p47-phox Polyclonal Antibody

Note

For research use only.