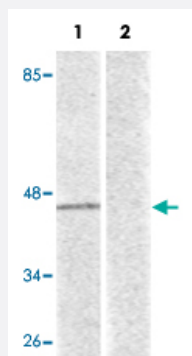


NCF1 (phospho S345) polyclonal antibody

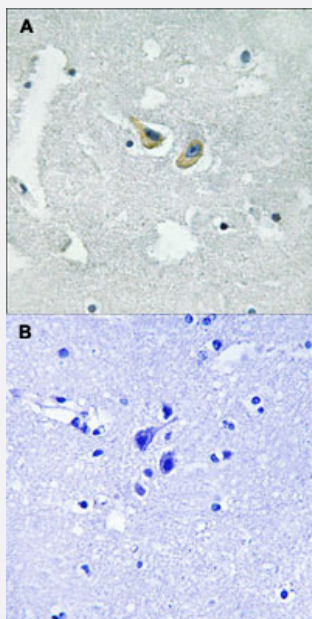
Catalog # PAB29250 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: TNF treated HepG2 cells Lane 2: antigen-specific peptide treated HepG2 cells with NCF1 (phospho S345) polyclonal antibody (Cat # PAB29250) at 1:500-1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain tissue by NCF1 (phospho S345) polyclonal antibody (Cat # PAB29250) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of human NCF1.

Immunogen

Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S345 of human NCF1.

Host	Rabbit
Theoretical MW (kDa)	45
Reactivity	Human
Specificity	This antibody detects endogenous levels of NCF1 only when phosphorylated at serine 345.
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (without Mg ²⁺ and Ca ²⁺), (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Avoid repeated freezing and thawing.

Applications

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Gene Info — NCF1

Entrez GeneID	653361
Protein Accession#	P14598
Gene Name	NCF1
Gene Alias	FLJ79451, NCF1A, NOXO2, SH3PXD1A, p47phox
Gene Description	neutrophil cytosolic factor 1
Omim ID	233700 608512

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

NADPH oxidase organizer 2

Pathway

- [Chemokine signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cerebral Infarction](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Granulomatous Disease](#)
- [Lung Diseases](#)
- [Malaria](#)
- [Multiple Sclerosis](#)
- [Mycobacterium Infections](#)
- [Pneumonia](#)
- [Sarcoidosis](#)
- [Stroke](#)

- [Tuberculosis](#)