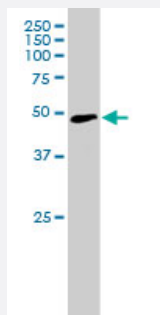


NCF1 polyclonal antibody

Catalog # PAB6021 Size 100 ug

Applications



Western Blot (Cell lysate)

NCF1 polyclonal antibody (Cat # PAB6021) staining (0.2 ug/mL) of U-937 lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NCF1.
Immunogen	A synthetic peptide corresponding to human NCF1.
Sequence	C-SESTKRKLASAV
Host	Goat
Theoretical MW (kDa)	44.7
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western blot (0.5-1.5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

NCF1 polyclonal antibody (Cat # PAB6021) staining (0.2 ug/mL) of U-937 lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NCF1

Entrez GeneID	653361
Protein Accession#	NP_000256.3
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

Publication Reference

- [p47phox-Dependent Reactive Oxygen Species Stimulate Nuclear Translocation of the FoxO1 Transcription Factor During Metabolic Inhibition in Cardiomyoblasts.](#)

Ter Horst EN, Hahn NE, Geerts D, Musters RJP, Paulus WJ, van Rossum AC, Meischl C, Piek JJ, Niessen HWM, Krijnen PAJ. Cell Biochemistry and Biophysics 2018 Sep; 76(3):401.

Application: WB-Tr, Rat, H9c2 cells

- [Dectin-1 activates Syk tyrosine kinase in a dynamic subset of macrophages for reactive oxygen production.](#)

Underhill DM, Rossnagle E, Lowell CA, Simmons RM.

Blood 2005 Jun; 106(7):2543.

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](#)