

NCF4 antibody

Catalog No: #38360

Package Size: #38360-1 50ul #38360-2 100ul

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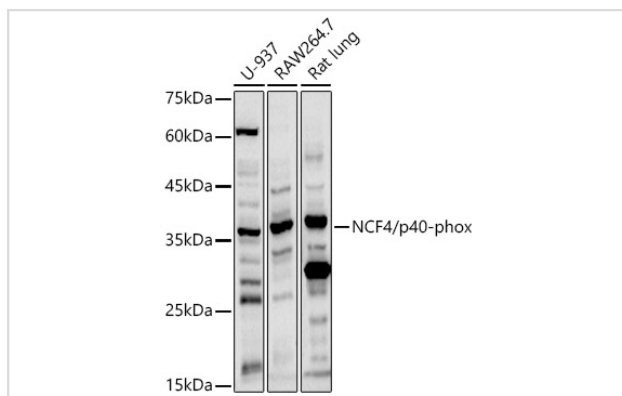
Description

Product Name	NCF4 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NCF4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human NCF4/p40-phox (NP_038202.2).
Target Name	NCF4
Other Names	NCF4;CGD3;NCF;P40PHOX;SH3PXD4
Accession No.	Uniprot:Q15080GeneID:4689
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GeneID	4689
SDS-PAGE MW	40KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using NCF4/p40-phox antibody.

Background

The protein encoded by this gene is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2 (NCF2/p67-phox) to form a complex with neutrophil cytosolic factor 1 (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation. This complex then activates flavocytochrome b, the membrane-integrated catalytic core of the enzyme system. The PX domain of this protein can bind phospholipid products of the PI(3) kinase, which suggests its role in PI(3) kinase-mediated signaling events. The phosphorylation of this protein was found to negatively regulate the enzyme activity. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Note: This product is for in vitro research use only