

Datasheet for ABIN7268901  
**anti-NCF4 antibody (pThr154)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	NCF4
Binding Specificity:	pThr154
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCF4 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Phospho-NCF4/p40-phox-T154 Rabbit pAb
Immunogen:	A synthetic phosphorylated peptide around T154 of human NCF4.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

## Target Details

Target:	NCF4
Alternative Name:	NCF4 ( <a href="#">NCF4 Products</a> )

## Target Details

**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.,NCF4,CGD3,NCF,P40PHOX,SH3PXD4,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,NCF4

**Molecular Weight:** 39kDa

**Gene ID:** 4689

**UniProt:** [Q15080](#)

## Application Details

**Application Notes:** WB,1:500 - 1:2000

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

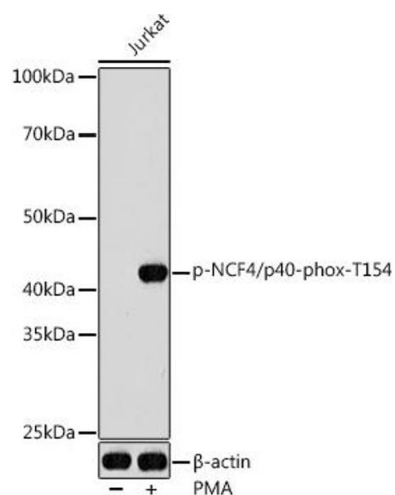
**Buffer:** PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of Jurkat cells, using Phospho-NCF4/p40-phox-T154 antibody (ABIN7268901) at 1:1000 dilution. Jurkat cells were treated by PMA/TPA (200 nM) at 37 °C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.