

For Research Use Only

# NCF4 Polyclonal antibody

Catalog Number: 14648-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 14648-1-AP	<b>GenBank Accession Number:</b> BC002798	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4689	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15080	
<b>Isotype:</b> IgG	<b>Full Name:</b> neutrophil cytosolic factor 4, 40kDa	
<b>Immunogen Catalog Number:</b> AG6241	<b>Calculated MW:</b> 39 kDa	
	<b>Observed MW:</b> 41 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF	<b>WB :</b> L02 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human heart tissue,
<b>Cited Species:</b> rat	<b>IF/ICC :</b> U2OS cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

NCF4, also named as p40phox, was the last NADPH oxidase subunit to be discovered, and although there is evidence of its both positive and negative effects on oxidase function. Catalog# 14648-1-AP is a rabbit polyclonal antibody raised against the full-length of human NCF4. The MW of this protein is 40 kDa, and this antibody specially recognises the 40 kDa protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuyou Huang	38954749	CNS Neurosci Ther	IF
Cunxiang Bo	38720270	BMC Pulm Med	

## Storage

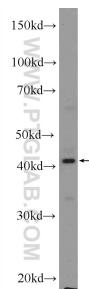
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

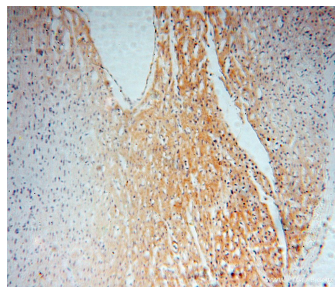
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

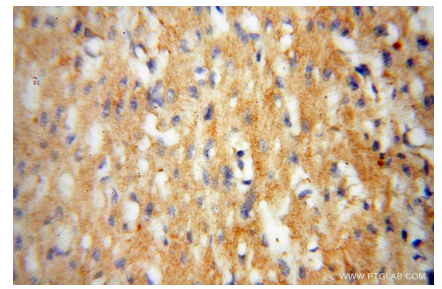
## Selected Validation Data



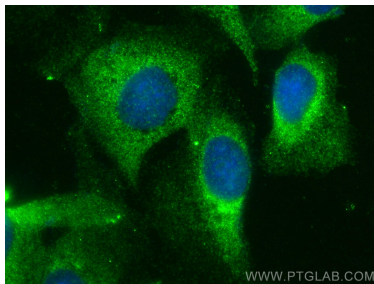
L02 cells were subjected to SDS PAGE followed by western blot with 14648-1-AP (NCF4 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 14648-1-AP (NCF4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 14648-1-AP (NCF4 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using NCF4 antibody (14648-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).