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Datasheet for ABIN1531723  
**anti-NCF1 antibody (pSer359)**

3 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	NCF1
Binding Specificity:	AA 331-380, pSer359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser359.
Isotype:	IgG
Specificity:	p47 phox (Phospho-Ser359) Antibody detects endogenous levels of p47 phox only when phosphorylated at Ser359. PhosphorylationH:S359
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

## Target Details

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Target:	NCF1
Alternative Name:	p47 Phox ( <a href="#">NCF1 Products</a> )
Background:	Synonyms: 47 kDa autosomal chronic granulomatous disease protein, 47 kDa neutrophil oxidase factor, NCF-1, NCF-47K, NCF1, Neutrophil cytosol factor 1, Neutrophil cytosolic factor 1, Neutrophil NADPH oxidase factor 1, P47 phox, p47-phox NCBI Gene Symbol: NCF1
Molecular Weight:	44 kDa
Gene ID:	653361
OMIM:	233700
UniProt:	<a href="#">P14598</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a>

## Application Details

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Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000
Comment:	Unigene-Number: Hs.647047, Hs.655201 (NCBI Gene Symbol: NCF1)
Restrictions:	For Research Use only

## Handling

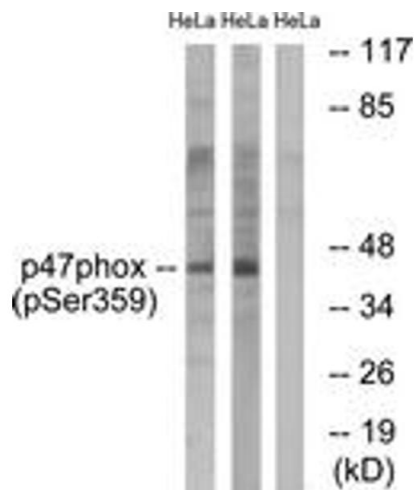
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

Product cited in:

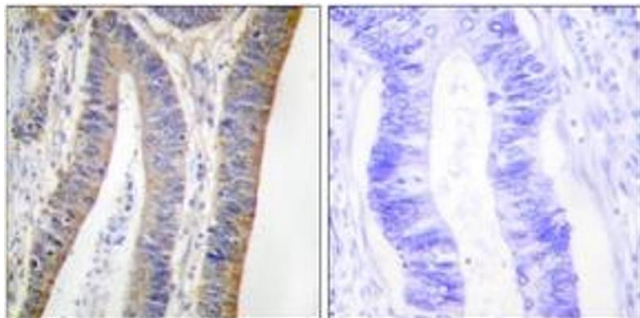
Xiao, Lin, Ke, Lin, Lin, Lin: "14-3-3 $\tau$  promotes breast cancer invasion and metastasis by inhibiting RhoGDIa." in: **Molecular and cellular biology**, Vol. 34, Issue 14, pp. 2635-49, (2014) ([PubMed](#)).

Images



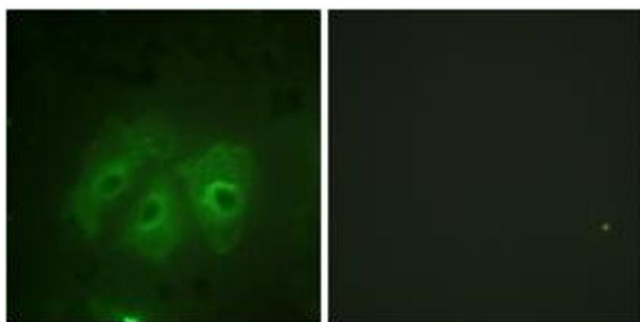
Western Blotting

**Image 1.** Western blot analysis of extracts from HeLa cells treated with nocodazole 1ug/ml 18h, using p47 phox (Phospho-Ser359) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using p47 phox (Phospho-Ser359) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells, using p47 phox (Phospho-Ser359) Antibody. The picture on the right is treated with the synthesized peptide.