

Datasheet for ABIN1532163
anti-NCF1 antibody (pSer345)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	NCF1
Binding Specificity:	AA 311-360, pSer345
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human p47 phox around the phosphorylation site of Ser345.
Isotype:	IgG
Specificity:	p47 phox (Phospho-Ser345) Antibody detects endogenous levels of p47 phox only when phosphorylated at Ser345. PhosphorylationH:S345
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

Target:	NCF1
Alternative Name:	p47 Phox (NCF1 Products)
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:	P14598
Pathways:	PI3K-Akt Signaling

Application Details

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

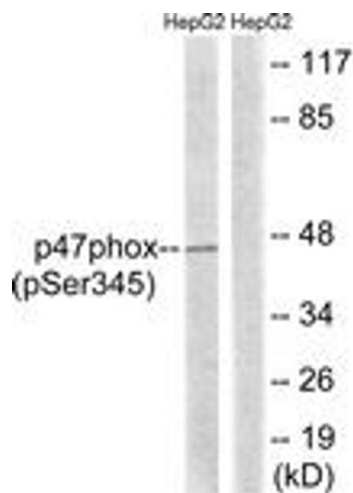
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

Publications

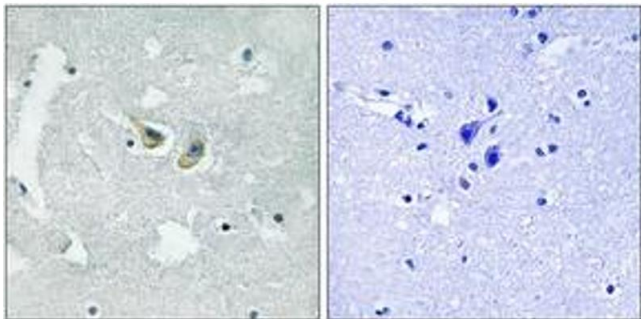
Product cited in: Minami, Otsubo, Ieno, Ikeda, Kanazawa, Shimizu, Ohata, Yokochi, Horii, Fukumoto, Taguchi, Takahashi, Oku, Suzuki: "Visualization of sialidase activity in Mammalian tissues and cancer detection with a novel fluorescent sialidase substrate." in: **PLoS ONE**, Vol. 9, Issue 1, pp. e81941, (2014) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with TNF 20ng/ml 5', using p47 phox (Phospho-Ser345) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using p47 phox (Phospho-Ser345) Antibody. The picture on the right is treated with the synthesized peptide.