Datasheet for ABIN1385194

anti-NCF1 antibody (pSer359)

1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	NCF1
Binding Specificity:	pSer359
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human NCF1 around the phosphorylation site of Ser359
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	NCF1

Target Details

Alternative Name:	NCF1/p47 phox (NCF1 Products)
Background:	Synonyms: NCF1Ser359, p47 phoxSer359, NCF1 phospho S359, 47 kDa autosomal chronic granulomatous disease protein, 47 kDa neutrophil oxidase factor, NADPH oxidase organizer 2, NCF 47K, Neutrophil cytosol factor 1, Neutrophil cytosolic factor 1, Neutrophil NADPH oxidase factor 1, Nox organizer 2, Nox organizing protein 2, NOXO2, p47 phox, p47phox, ,SH3 and PX domain containing protein 1A, SH3PXD1A, NADPH oxidase p47 phox, NCF1_HUMAN. Background: The heredity chronic granulomatous disease (CGF) has been linked to mutations in p47-phox and p67-phox. The cytosolic proteins p47-phox and p67-phox, also designated neutrophil cytosol factor (NCF)1 and NCF2, respectively, are required for activation of the superoxide-producing NADPH oxidase in neutrophils and other phagocytic cells. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane where they associate with cytochrome b558 and the small G protein Rac to form the functional enzyme complex. Both p47-phox and p67-phox contain two Src homology 3 (SH3) domains. The C-terminal SH3 domain of p67-phox has been shown to interact with the proline-rich domain of p47-phox, suggesting that p47-phox may faciliate the transport of p67-phox to the membrane.
Gene ID:	653361
Pathways:	PI3K-Akt Signaling

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Chen, Ye, Zhang, Tang, Li, Lu, Wu, Yu, Kou: "Limb Remote Ischemic Postconditioning Reduces Ischemia-Reperfusion Injury by Inhibiting NADPH Oxidase Activation and MyD88-TRAF6-P38MAP-Kinase Pathway of Neutrophils." in: **International journal of molecular sciences**, Vol. 17, Issue 12, (2016) (PubMed).