

ARG63148 anti-NCF1 / p47phox antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NCF1 / p47phox
Tested Reactivity	Hu, Ms, Pig
Predict Reactivity	Cow, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NCF1 / p47phox
Species	Human
Immunogen	C-SESTKRKLASAV
Conjugation	Un-conjugated
Alternate Names	Nox organizer 2; SH3PXD1A; NCF-47K; 47 kDa autosomal chronic granulomatous disease protein; NOXO2; Nox-organizing protein 2; 47 kDa neutrophil oxidase factor; Neutrophil cytosol factor 1; SH3 and PX domain-containing protein 1A; p47phox; NCF1A; Neutrophil NADPH oxidase factor 1; p47-phox; NCF-1

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	5 µg/ml
	WB	0.01 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

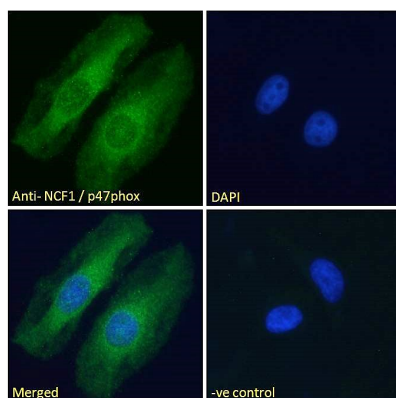
Database links	GeneID: 17969 Mouse GeneID: 653361 Human Swiss-port # P14598 Human Swiss-port # Q09014 Mouse
Background	The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	45 kDa
PTM	Phosphorylated by PRKCD; phosphorylation induces activation of NCF1 and NADPH oxidase activity.

Images



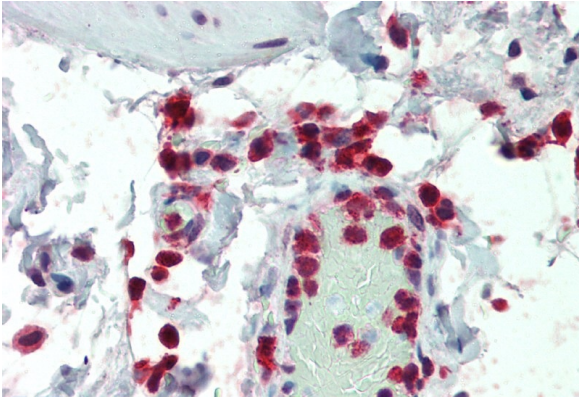
ARG63148 anti-NCF1 / p47phox antibody WB image

Western Blot: U937 lysate (35 µg protein in RIPA buffer) stained with ARG63148 anti-NCF1 / p47phox antibody at 0.2 µg/ml dilution.



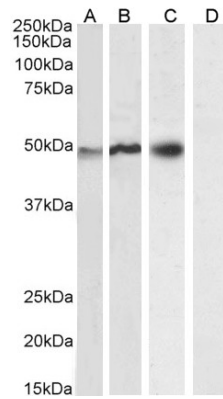
ARG63148 anti-NCF1 / p47phox antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63148 anti-NCF1 / p47phox antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



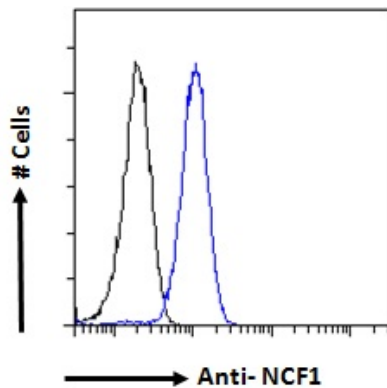
ARG63148 anti-NCF1 / p47phox antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63148 anti-NCF1 / p47phox antibody at 5 µg/ml dilution followed by AP-staining.



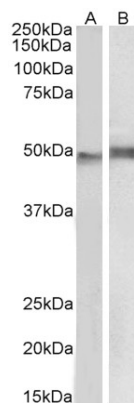
ARG63148 anti-NCF1 / p47phox antibody WB image

Western blot: 35 µg of U937 (A), Daudi (B), U251 (C) and A431 (D, negative control) cell lysates (in RIPA buffer) stained with ARG63148 anti-NCF1 / p47phox antibody at 0.2 µg/ml (A), 0.01 µg/ml (B) and 0.3 µg/ml (C, D) dilutions and incubated at RT for 1 hour.



ARG63148 anti-NCF1 / p47phox antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63148 anti-NCF1 / p47phox antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63148 anti-NCF1 / p47phox antibody WB image

Western blot: 35 µg of Mouse thymus (A) and Pig spleen (B) lysates (in RIPA buffer) stained with ARG63148 anti-NCF1 / p47phox antibody at 1 µg/ml dilution and incubated at RT for 1 hour.