

ARG66556 anti-NCF2 / p67phox antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NCF2 / p67phox
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NCF2 / p67phox
Species	Human
Immunogen	Recombinant full length protein of Human p67 phox.
Conjugation	Un-conjugated
Alternate Names	p67-phox; P67-PHOX; NADPH oxidase activator 2; 67 kDa neutrophil oxidase factor; Neutrophil NADPH oxidase factor 2; P67PHOX; Neutrophil cytosol factor 2; NCF-2; NOXA2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	68 kDa	

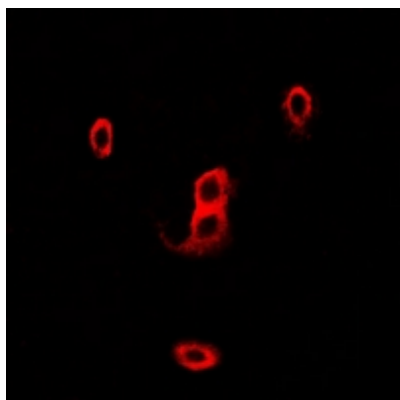
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
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. 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.

Bioinformation

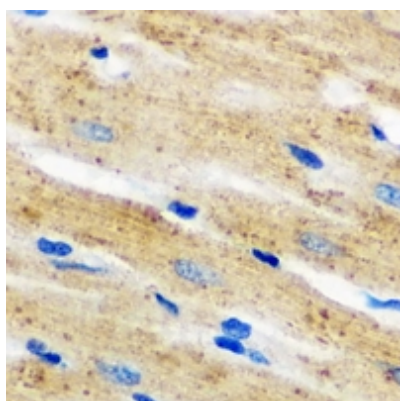
Gene Symbol	NCF2
Gene Full Name	neutrophil cytosolic factor 2
Background	This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2010]
Function	NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production). [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



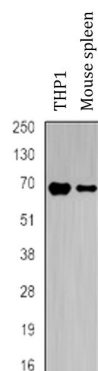
ARG66556 anti-NCF2 / p67phox antibody ICC/IF image

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66556 anti-NCF2 / p67phox antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber.



ARG66556 anti-NCF2 / p67phox antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse heart tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG66556 anti-NCF2 / p67phox antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



ARG66556 anti-NCF2 / p67phox antibody WB image

Western blot: THP1 and Mouse spleen lysates stained with ARG66556 anti-NCF2 / p67phox antibody.