

Rabbit anti-Human p67phox Polyclonal Antibody | anti-NCF2 antibody

Anti-p67phox Antibody, Rabbit Polyclonal

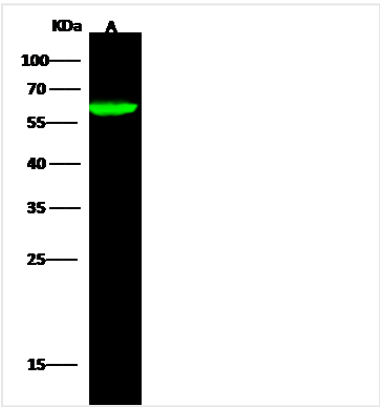
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255836	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

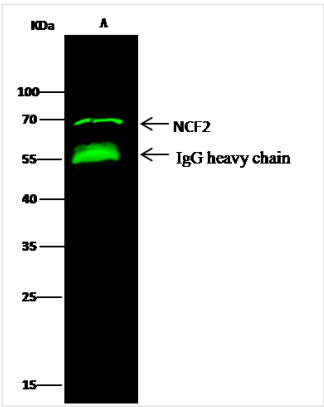
p67phox; Polyclonal Antibody; Anti-p67phox Antibody; Rabbit Polyclonal; NCF2/NCF-2/P67phox Antibody; Rabbit PAb; Antigen Affinity Purified; neutrophil cytosolic factor 2; Anti-NCF-2 Antibody; Anti-NOXA2 Antibody; Anti-P67-PHOX Antibody; Anti-P67PHOX Antibody; anti-NCF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NCF2/NCF-2/P67phox
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NCF2 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human NCF2/NCF-2/P67phox protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human NCF2/NCF-2/P67phox (rh NCF2/NCF-2/P67phox). NCF2/NCF-2/P67phox specific IgG was purified by Human NCF2/NCF-2/P67phox affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-NCF2 rabbit polyclonal antibody at 1:500 dilutionLane A: THP1 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:60 kDaObserved band size:60 kDa



IP (Immunoprecipitation)
NCF2 was immunoprecipitated using:Lane A:0.5 mg THP-1 Whole Cell Lysate2 uL anti-NCF2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-NCF2 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 60 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NCF2 antibody	NCF2 (Neutrophil Cytosolic Factor 2, also known as NCF-2 and p67phox) is a Protein Coding gene. 4 alternatively spliced human isoforms have been reported. 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. NCF2 belongs to the NCF2/NOXA1 family. NCF2, NCF1, and a membrane-bound cytochrome b558 are required for activation of the latent NADPH oxidase. Mutations in the NCF2 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.
References	Wientjes FB. et al., 1996, Semin Cell Biol. 6 (6): 357-65. DeLeo FR. et al., 1997, J Leukoc Biol. 60 (6): 677-91. Dorseuil O. et al., 1997, C R Seances Soc Biol Fil. 191 (2): 237-46.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804409
NCBI GeneID	4688
Molecular Weight	50,337 Da
NCBI Official Full Name	Neutrophil cytosolic factor 2
NCBI Official Synonym Full Names	neutrophil cytosolic factor 2
NCBI Official Symbol	NCF2
NCBI Official Synonym Symbols	NCF-2; NOXA2; P67PHOX; P67-PHOX
NCBI Protein Information	neutrophil cytosol factor 2; NADPH oxidase activator 2; 67 kDa neutrophil oxidase factor; neutrophil NADPH oxidase factor 2; chronic granulomatous disease, autosomal 2; neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.