

Rabbit anti-Human NCF4 Polyclonal Antibody | anti-NCF4 antibody

NCF4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285587	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

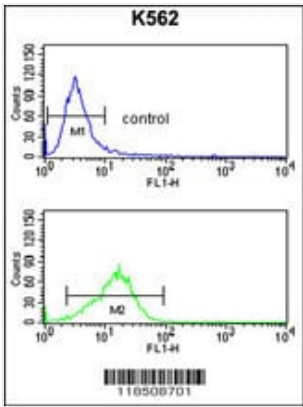
PRODUCT SYNONYMS

NCF4; Polyclonal Antibody; NCF4 Antibody (C-term); Neutrophil cytosol factor 4; NCF-4; Neutrophil NADPH oxidase factor 4; SH3 and PX domain-containing protein 4; p40-phox; p40phox; SH3PXD4; anti-NCF4 antibody

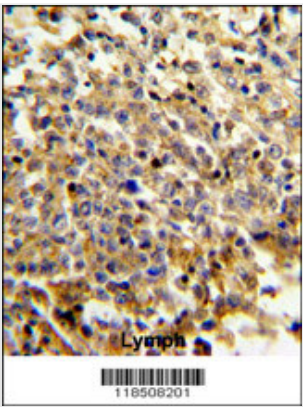
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NCF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 260-289 amino acids from the C-terminal region of human NCF4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	260-289
Sequence Length	348
Applicable Applications for anti-NCF4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

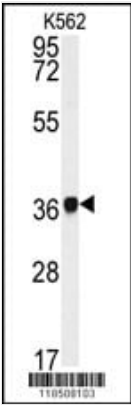
IMAGES



FCM/FACS (Flow Cytometry)
NCF4 Antibody (C-term) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lymphoma reacted with NCF4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of NCF4 antibody (C-term) in K562 cell line lysates (35ug/lane). NCF4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NCF4 antibody	NCF4 is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2(NCF2/p67-phox) to form a complex with neutrophil cytosolic factor 1 (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation. This complex then activates flavocytochrome b, the membrane-integrated catalytic core of the enzyme system. The PX domain of this protein can bind phospholipid products of the PI(3) kinase, which suggests its role in PI(3) kinase-mediated signaling events. The phosphorylation of this protein was found to negatively regulate the enzyme activity.
Product Categories/Family for anti-NCF4 antibody	Cell Biology; Metabolism; Signal transduction
References	Glas,J., Seiderer,J. Am. J. Gastroenterol. 104 (3), 665-672 (2009) Honbou,K. Seikagaku 80 (8), 743-747 (2008) Dusi,S., Donini,M. Biochem. J. 314 (PT 2), 409-412 (1996) Leto,T.L. Proc. Natl. Acad. Sci. U.S.A. 91 (22), 10650-10654 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47519798
NCBI GeneID	4689

NCBI Accession #	NP_000622.2; NP_038202.2
NCBI GenBank Nucleotide #	NM_000631.4
UniProt Accession #	Q15080; O60808; Q86U56; Q9BU98; Q9NP45; A8K4F9
Molecular Weight	39032
NCBI Official Full Name	neutrophil cytosol factor 4 isoform 1
NCBI Official Synonym Full Names	neutrophil cytosolic factor 4, 40kDa
NCBI Official Symbol	NCF4
NCBI Official Synonym Symbols	NCF; P40PHOX; SH3PXD4
NCBI Protein Information	neutrophil cytosol factor 4
UniProt Protein Name	Neutrophil cytosol factor 4
UniProt Gene Name	NCF4
UniProt Synonym Gene Names	SH3PXD4; NCF-4; p40phox
UniProt Entry Name	NCF4_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ncf4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285587>