

Rabbit NCF4 Polyclonal Antibody | anti-NCF4 antibody

NCF4 Polyclonal Antibody

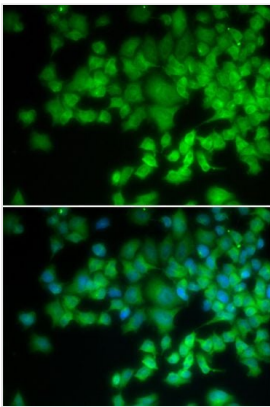
CATALOG # AAA10738	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

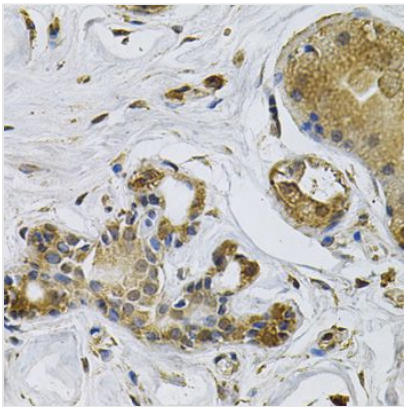
NCF4; Polyclonal Antibody; NCF4 Polyclonal Antibody; MGC3810; NCF; P40PHOX; SH3PXD4; anti-NCF4 antibody

PRODUCT SPECIFICATIONS

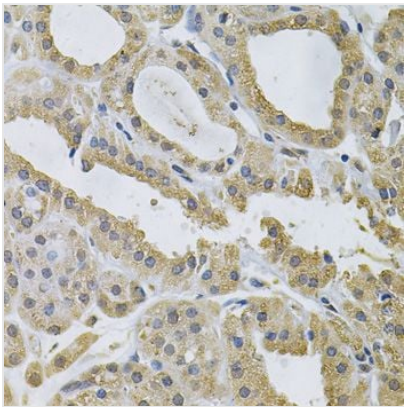
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence Length	339
Applicable Applications for anti-NCF4 antibody	WB (Western Blot)
Application Notes	WB: 1:500-1:2000
Species	Human
Immunogen	Recombinant Protein
Immunogen	A synthetic phosphorylated peptide around T154 of human NCF4/p40-phox (NP_000622.2).
Category	Primary antibody
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



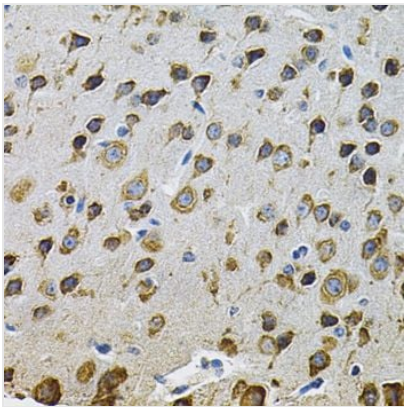
IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using NCF4 antibody. Blue: DAPI for nuclear staining.



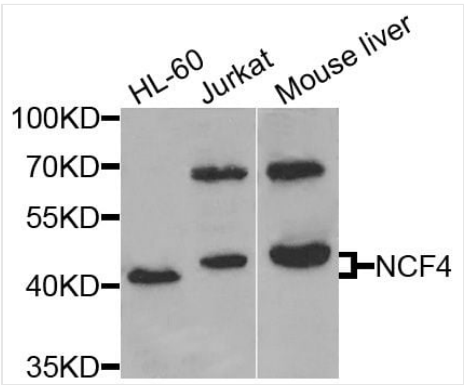
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human breast cancer using NCF4 Antibody at dilution of 1:100 (40x lens).



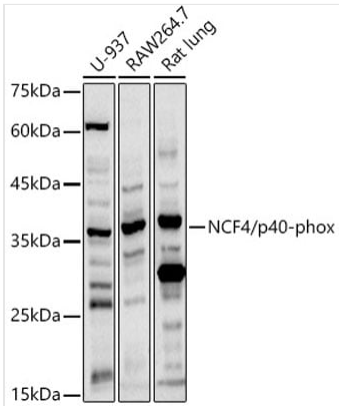
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human thyroid cancer using NCF4 Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using NCF4 Antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using NCF4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using NCF4/p40-phox antibody (AAA10738) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-NCF4 antibody	The protein encoded by this gene 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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-NCF4 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	108884815
NCBI GeneID	4689
UniProt Accession #	Q15080; O60808; Q86U56; Q9BU98; Q9NP45; A8K4F9
Molecular Weight	Observed MW: 40KDa Calculated MW: 39kDa
NCBI Official Full Name	Neutrophil cytosol factor 4
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; NCF-4; p40-phox; neutrophil NADPH oxidase factor 4; SH3 and PX domain-containing protein 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-western-blot-elisa/10738>