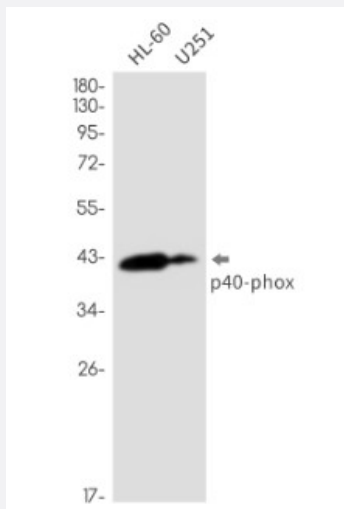


RecomAb™

NCF4 recombinant monoclonal antibody, clone R02-3G7

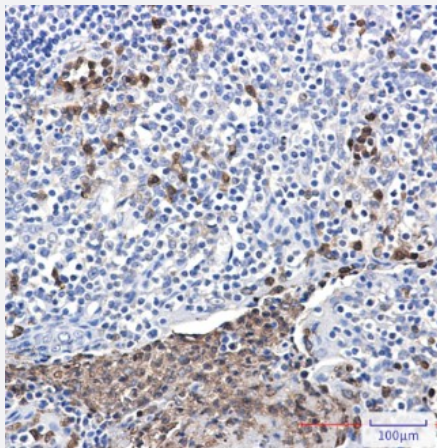
Catalog # RAB01390 Size 100 uL

Applications



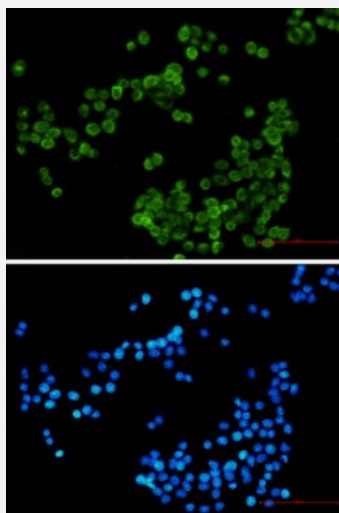
Western Blot

Western Blot analysis of HL-60, U251 lysates with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NCF4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human NCF4.
Theoretical MW (kDa)	Calculated MW: 39 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of HL-60, U251 lysates with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Immunocytochemistry staining of HeLa cells with NCF4 recombinant monoclonal antibody, clone R02-3G7 (Cat # RAB01390).

- Immunofluorescence

- Immunoprecipitation

Gene Info — NCF4

Entrez GeneID	4689
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Protein Accession#	Q15080
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Gene Name	NCF4
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Gene Alias	MGC3810, NCF, P40PHOX, SH3PXD4
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Gene Description	neutrophil cytosolic factor 4, 40kDa
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Omim ID	601488
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Gene Ontology	Hyperlink
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Gene Summary

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]

Other Designations

OTTHUMP00000028736|OTTHUMP00000043756|neutrophil NADPH oxidase factor 4|neutrophil cytosol factor 4|neutrophil cytosolic factor 4

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)

- [Ileal Diseases](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mycobacterium Infections](#)
- [Occupational Diseases](#)
- [Pneumonia](#)
- [Sarcoidosis](#)
- [Tuberculosis](#)