SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-NCF4/HRP Conjugated antibody

Catalog Number: SL3616R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-NCF4/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human NCF4
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1000-10000 IHC-P=1:100-500 IHC-F=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,GuineaPig)
Background:	background: NCF4 is a cytosolic oxidase associated protein. It is a component of the nicotinamide adenine dinucleotide phosphate oxidase, which mediates down regulation of NADPH oxidase through interactions with its SH3 domain. NCF4 is associated with p67 phox but is absent in patients with chronic granulomatous disease who lack p67 phox. **Function:** Component of the NADPH-oxidase, a multicomponent enzyme system responsible for the oxidative burst in which electrons are transported from NADPH to molecular oxygen, generating reactive oxidant intermediates. It may be important for the assembly and/or activation of the NADPH-oxidase complex. **Subunit:** p40-PHOX associates primarily with p67-PHOX to form a complex with p47-PHOX.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cytoplasm. **Tissue Specificity:** Expression is restricted to hematopoietic cells. DISEASE: Granulomatous disease, chronic, cytochrome-b-positive 3, autosomal recessive (CGD3) [MIM:613960]: A disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Contains 1 OPR domain. Contains 1 PX (phox homology) domain. Contains 1 SH3 domain. **Database links:** **Entrez Gene:** 4689 Human Omim: 601488 Human **SwissProt:** Q15080 Human **Unigene:** 474781 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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