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Rabbit Anti-Phospho-NCF4 (Thr154) antibody

SL3497R

Product Name:	Phospho-NCF4 (Thr154)
Chinese Name:	磷酸化嗜中性粒细胞胞浆因子4抗体
Alias:	NCF4 (phospho T154); p- NCF4 (phospho T154); p40phox (Thr154); p-p40phox (Thr154); MGC3810; NCF 4; NCF; NCF-4; Ncf4; NCF4_HUMAN; Neutrophil cytosol factor 4; Neutrophil cytosolic factor 4; Neutrophil NADPH oxidase factor 4; p40-phox; p40phox; SH3 and PX domain-containing protein 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human p40phox around the phosphorylation site of Thr154:PR(p-T)RK
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **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. **SWISS:** Q15080 **Gene ID:** 4689 **Database links:** Entrez Gene: 4689 Human Entrez Gene: 17972 Mouse Omim: 601488 Human SwissProt: Q15080 Human

	SwissProt: P97369 Mouse Unigene: 474781 Human Unigene: 2068 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.