

产品名称: NCF4 Rabbit Monoclonal Antibody
产品货号: AMRe03135



产品概述 (Summary)

产品名称 (Production Name)	NCF4 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NCF4
别名 (Alternative Names)	NCF; CGD3; P40PHOX; SH3PXD4
基因 ID (Gene ID)	4689
蛋白 ID (SwissProt ID)	Q15080.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	Calculated MW: 39 kDa; Observed MW: 39 kDa

研究背景 (Background)

The protein encoded by this gene is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-

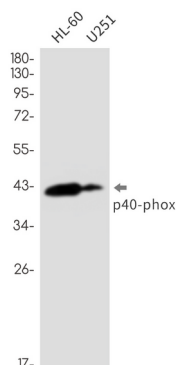
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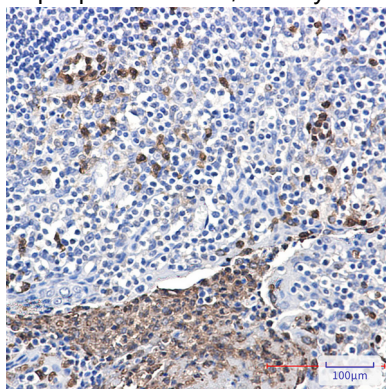
oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2 (NCF2/p67-phox) to form a complex with neutrophil cytosolic factor 1 (NCF1/p47-phox), which further interacts 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.

研究领域 (Research Area)

图片 (Image Data)

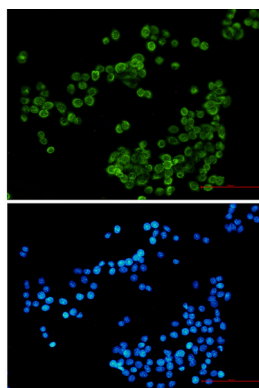


Western blot analysis of p40phox in HL-60, U251 lysates using NCF4 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using p40phox antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Immunocytochemistry analysis of p4phox (green) in HeLa using p4phox antibody, and DAPI (blue)

注意事项 (Note)

For research use only .