

NCF1C rabbit pAb

Catalog No :	YT7545
Reactivity :	Human
Applications :	WB
Target :	NCF1C
Gene Name :	NCF1C SH3PXD1C
Protein Name :	NCF1C
Human Swiss Prot No :	A8MVU1
Immunogen :	Synthesized peptide derived from human NCF1C AA range: 100-150
Specificity :	This antibody detects endogenous levels of NCF1C at Human
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	40kD
Background :	The neutrophil cytosolic factor 1 (NCF1) gene encodes the 47 kDa cytosolic subunit of neutrophil NADPH oxidase, which produces superoxide anion. The NCF1 gene is located in close proximity to two highly similar, multi-exon pseudogenes at chromosome 7q11.23, corresponding to this gene record and GeneID:654816. The two pseudogenes contain a dinucleotide deletion (delta-GT)

in exon 2 that results in a frameshift and truncation of the open reading frame, and neither pseudogene is likely to express a protein. Recombination events between the pseudogenes and the functional NCF1 gene can inactivate the NCF1 gene and result in chronic granulomatous disease. [provided by RefSeq, Nov 2009],

Function :

disease:Defects in NCF1 are the cause of chronic granulomatous disease autosomal recessive cytochrome-b-positive type 1 (CGD1) [MIM:233700]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.,function:NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).,online information:NCF1 deficiency database,similarity:Contains 1 PX (phox homology) domain.,similarity:Contains 2 SH3 domains.,subunit:Interacts with NOXA1.,

Subcellular Location :

Cytoplasm .

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