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NCF1	u ra	DDIL	PAD

Catalog No: YT7545

Reactivity: Human

Applications: WB

Target: NCF1C

Gene Name: NCF1C SH3PXD1C

A8MVU1

Protein Name: NCF1C

Human Swiss Prot

No:

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 7500-2000

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],

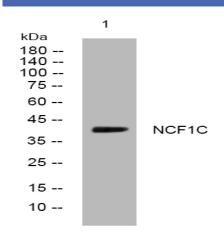
Function:

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.

Products Images



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night