



Anti-NCF4 (full length) polyclonal antibody (CABT-BL2582)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	His tagged fusion protein corresponding to the full length mouse NCF4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cytoplasm.
Format	Liquid
Buffer	0.15M Sodium chloride, 0.1M Tris glycine, pH 7.4
Preservative	0.05% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The protein encoded by this gene is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily
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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. [provided by RefSeq, Jul 2008]

GENE INFORMATION

Entrez Gene ID	17972
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Protein Refseq	NP_032703
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UniProt ID	P97369
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