

## p40-phox (phospho Thr154) Polyclonal Antibody

Catalog No: #13649



Package Size: #13649-1 50ul #13649-2 100ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | p40-phox (phospho Thr154) Polyclonal Antibody   |
| Host Species          | Rabbit  |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                           |
| Applications          | IHC-p,IF(paraffin section),ELISA  |
| Species Reactivity    | Human,Mouse   |
| Specificity           | Phospho-p40-phox (T154) Polyclonal Antibody detects endogenous levels of p40-phox protein only when phosphorylated at T154.                     |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human p40 phox around the phosphorylation site of Thr154. AA range:120-169  |
| Other Names           | NCF4; SH3PXD4; Neutrophil cytosol factor 4; NCF-4; Neutrophil NADPH oxidase factor 4; SH3 and PX domain-containing protein 4; p40-phox; p40phox |
| Accession No.         | Swiss Prot:Q15080GeneID:4689  |
| Uniprot               | Q15080  |
| GeneID                | 4689  |
| Calculated MW         | 39kd  |
| Concentration         | 1 mg/ml   |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| Storage               | -20°C/1   |

## Application Details

WB 1:500-2000 ,Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

## Background

neutrophil cytosolic factor 4(NCF4) Homo sapiens 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 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 d

Note: This product is for in vitro research use only