



p47-phox (phospho Ser304) Monoclonal Antibody

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|---------------------------|--|
| Catalog No | BYmab-02389 |
| Isotype | IgG |
| Reactivity | Human;Monkey |
| Applications | WB |
| Gene Name | NCF1 |
| Protein Name | Neutrophil cytosol factor 1 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Neutrophil Cytosol Factor 1 around the phosphorylation site of Ser304. AA range:281-330 |
| Specificity | Phospho-p47-phox (S304) Monoclonal Antibody detects endogenous levels of p47-phox protein only when phosphorylated at S304. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | NCF1; NOXO2; SH3PXD1A; Neutrophil cytosol factor 1; NCF-1; 47 kDa autosomal chronic granulomatous disease protein; 47 kDa neutrophil oxidase factor; NCF-47K; Neutrophil NADPH oxidase factor 1; Nox organizer 2; Nox-organizing protein 2; SH3 |
| Observed Band | 44kD |
| Cell Pathway | Cytoplasm, cytosol . Membrane ; Peripheral membrane protein ; Cytoplasmic side |
| Tissue Specificity | Detected in peripheral blood monocytes and neutrophils (at protein level). |
| 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 |

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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.,

Background

The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease. [provided by RefSeq, Jul 2008],

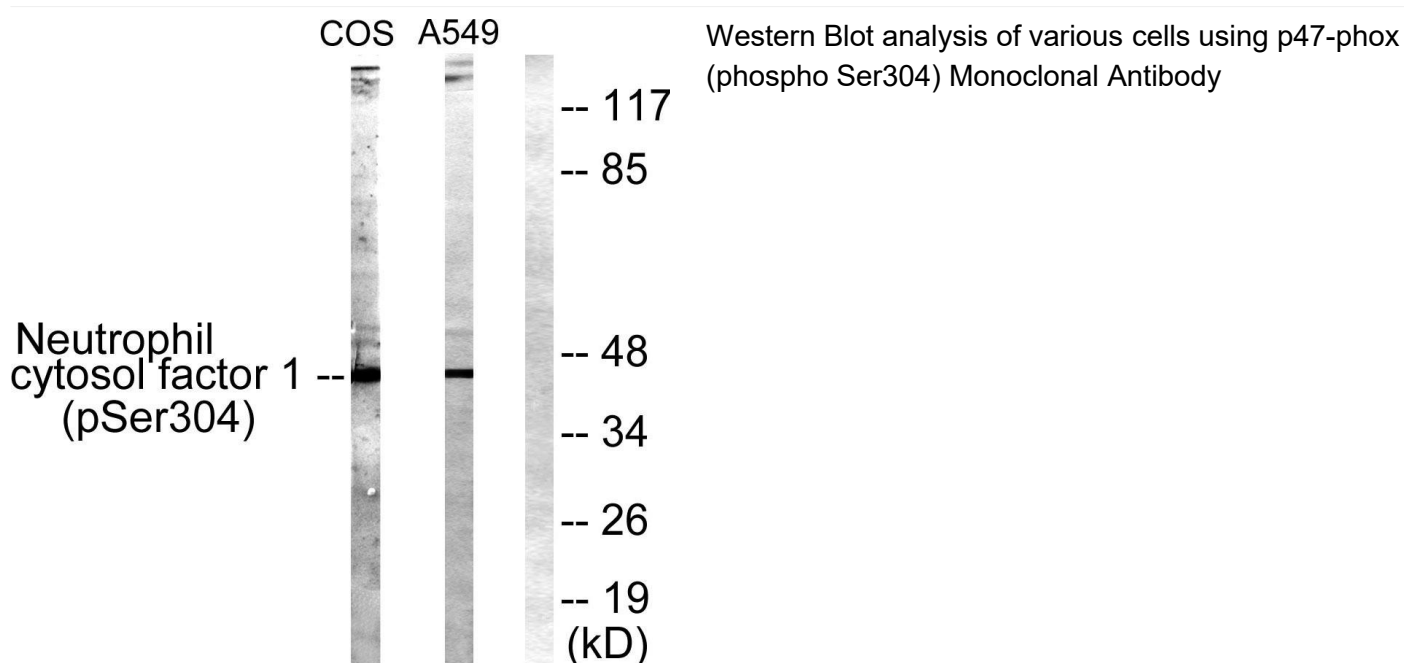
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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