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Datasheet for ABIN7138566
anti-NCF1 antibody (pSer345)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | NCF1 |
| Binding Specificity: | pSer345 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NCF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Peptide sequence around phosphorylation site of Serine 345(P-Q-S(p)-P-G) derived from Human Nuclear p47 phox. |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using |

Target Details

| | |
|-------------------|--|
| Target: | NCF1 |
| Alternative Name: | NCF1 (NCF1 Products) |

Target Details

Background:

Background:

NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).

Volpp B.D., Proc. Natl. Acad. Sci. U.S.A. 86:7195-7199(1989).

Lomax K.J., Science 245:409-412(1989).

Rodaway A.R.F., Mol. Cell. Biol. 10:5388-5396(1990).

Aliases: 47 kDa autosomal chronic granulomatous disease protein antibody, 47 kDa neutrophil oxidase factor antibody, NADPH oxidase organizer 2 antibody, NCF 47K antibody, NCF-1 antibody, NCF-47K antibody, Ncf1 antibody, NCF1_HUMAN antibody, Neutrophil cytosol factor 1 antibody, Neutrophil cytosolic factor 1 antibody, neutrophil cytosolic factor 1, (chronic granulomatous disease, autosomal 1) antibody, Neutrophil NADPH oxidase factor 1 antibody, Nox organizer 2 antibody, Nox organizing protein 2 antibody, Nox-organizing protein 2 antibody, NOXO2 antibody, p47 phox antibody, p47-phox antibody, SH3 and PX domain containing protein 1A antibody, SH3 and PX domain-containing protein 1A antibody, SH3PXD1A antibody

UniProt:

[P14598](#)

Pathways:

[PI3K-Akt Signaling](#)

Application Details

Application Notes:

WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative:

Sodium azide

Precaution of Use:

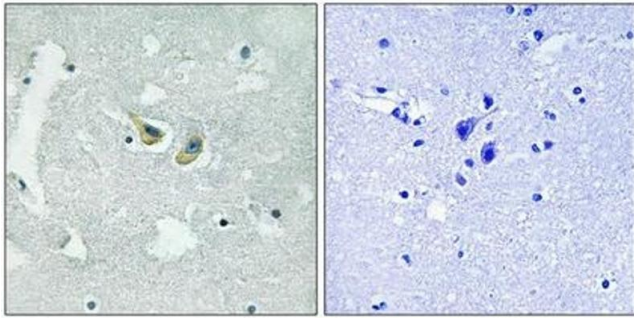
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C,-80 °C

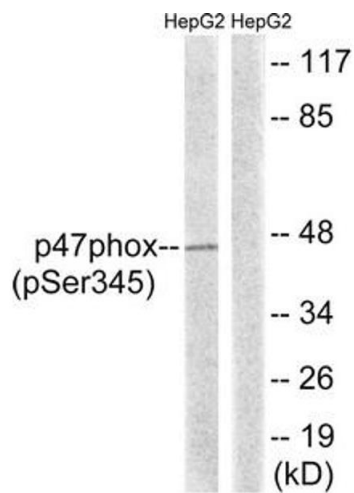
Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using p47 phox (Phospho-Ser345) antibody (left) or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells treated with TNF using p47 phox (Phospho-Ser345) Antibody. The lane on the right is treated with the antigen-specific peptide.