

Product Data Sheet: NOX2

Cat. No: AB-83889
Size: 100 ug
Clone: poly
Concentration: 1mg/ml

Host: Rb Isotype: IgG

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids

283-570 of human Nox2

Reactivity: Hu, Ms, Rt

Western Blot: 1:500 - 1:1000

Applications: Immunohistochemistry (paraffine Embedded tissues): 1:50-1:100

Immunofluorescence: 1:50-1:100

Molecular Weight: 65kDa **Purification:** Aff. Pur.

Synonyms: CYBB; AMCBX2; CGD; GP91-1; GP91-PHOX; GP91PHOX; IMD34; NOX2; p91-PHOX;

cytochrome b-245 beta chain

Cytochrome b (-245) is composed of cytochrome b alpha (CYBA) and beta (CYBB) chain. It has been proposed as a primary component of the microbicidal oxidase system of phagocytes. CYBB deficiency is one of five described biochemical defects associated with chronic granulomatous disease (CGD). In this disorder, there is decreased activity of phagocyte NADPH oxidase; neutrophils are able to

phagocytize bacteria but cannot kill them in the phagocytic vacuoles. The cause of the killing defect is an inability to increase the cell's respiration and

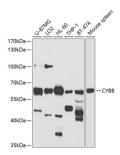
of the killing defect is an inability to increase the cell's respiration and consequent failure to deliver activated oxygen into the phagocytic vacuole.

Form: Liquid

Background:

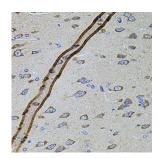
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Storage: At 4°C for short term. For longer terms at -20°. Avoid freeze and thaw cycles

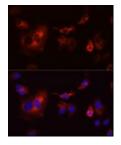


Western blot analysis of extracts of various cell lines, using Nox2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TRST

Detection: ECL West Pico Kit Exposure



Immunohistochemistry of paraffinembedded on Rat brain using NOX2 antibody with a dil: 1:100



Immunofluorescence analysis of A431 cells using Nox2 antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



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time: 60s.

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