Summary

Production Name	NOX2 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IP,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A

Immunogen

Gene Name	CYBB
Alternative Names	CYBB;NOX2;Cytochrome b-245 heavy chain;CGD91-phox;Cytochrome b;558;subunit beta;Cytochrome b558 subunit beta;Heme-binding membrane glycoprotein gp91phox;NADPH oxidase 2Neutrophil cytochrome b 91 kDa polypeptide;Superoxide-generating NADPH oxidase heavy chain subunit;gp91-1;gp91-phox;p22 phagocyte B-cytochrome
Gene ID	1536.0
SwissProt ID	P04839.

Application

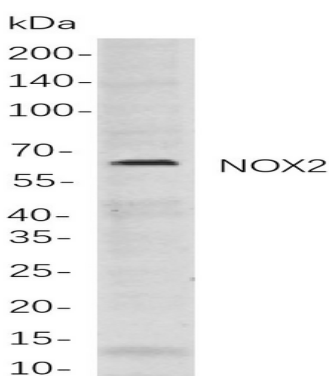|	
Dilution Ratio	WB 1:1000-5000;ELISA 1:5000-20000;IP 1:50-200
Molecular Weight	Calculated MW:65kD;Observed MW:65kD

Background

Cell localization:Membranous.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 consequent failure to deliver activated oxygen into the phagocytic vacuole. [provided by RefSeq, Jul 2008],

Research Area

Image Data

Western blot analysis of lysates from HepG2

cells, using NOX2 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

Note

For research use only.