

CYBB Antibody

Catalog No: #32357

Package Size: #32357-1 50ul #32357-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

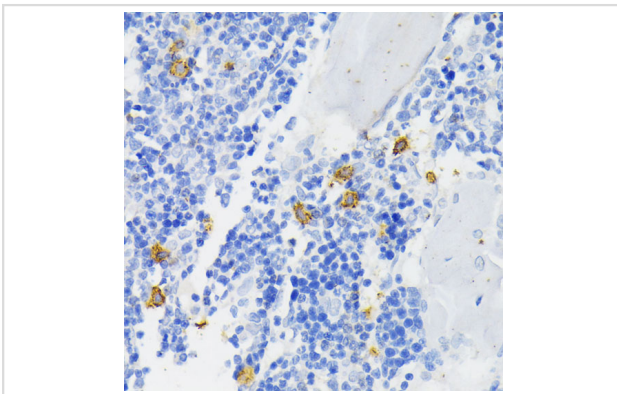
Description

Product Name	CYBB Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total CYBB protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human NOX2/gp91phox (NP_000388.2).
Target Name	CYBB
Other Names	AMCBX2;CGD;GP91-1;GP91-PHOX;GP91PHOX;IMD34;NOX2;p91-PHOX;CYBB
Accession No.	Uniprot:P04839GeneID:1536
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SDS-PAGE MW	65KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

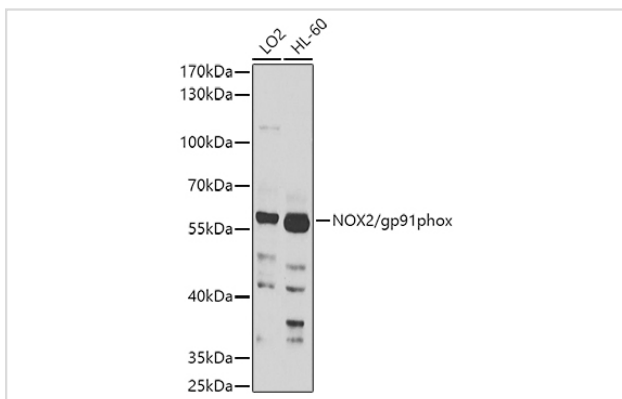
Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Images



Immunohistochemistry of paraffin-embedded rat bone marrow using NOX2/gp91phox antibody.



Western blot analysis of extracts of various cell lines, using NOX2/gp91phox antibody.

Background

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.

Note: This product is for in vitro research use only