

DNAxPAb

Hard-to-Find
Antibody

CYBB DNAxPab

Catalog # H00001536-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human CYBB DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CYBB

Entrez GeneID	1536
GeneBank Accession#	NM_000397.2
Protein Accession#	NP_000388.2
Gene Name	CYBB
Gene Alias	CGD, GP91-1, GP91-PHOX, GP91PHOX, NOX2, p91-PHOX
Gene Description	cytochrome b-245, beta polypeptide
Omim ID	300481 306400
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000031915 cytochrome b-245 beta polypeptide

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Granulomatous Disease](#)
- [HIV Infections](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Mycobacterium Infections](#)

- [Pneumonia](#)
- [Pulmonary Disease](#)
- [Sarcoidosis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)