

# IHC*easy* CYBB/NOX2 Ready-To-Use IHC Kit

Catalog Number: **KHC2158**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

NOX2, also named as CYBB, CGD, 91-phox, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, cytochrome b-245 and beta polypeptide, is a critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. This full length protein has three glycosylation sites.

## Synonyms

CGD, CGD91 phox, CYBB, Cytochrome b 245 heavy chain, Cytochrome b(558) subunit beta, Cytochrome b558 subunit beta, GP91 1, GP91 PHOX, GP91PHOX, NADPH oxidase 2, NOX2, p22 phagocyte B cytochrome, p91 PHOX

For technical support and original validation data for this product please contact:  
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## Selected Validation Data