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Datasheet for ABIN908685

## anti-CYBB antibody (AA 501-570) (Alexa Fluor 647)

### Overview

Quantity:	100 µL
Target:	CYBB
Binding Specificity:	AA 501-570
Reactivity:	Human, Mouse, Rat, Rabbit, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYBB antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NOX2/gp91phox
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	CYBB
Alternative Name:	NOX2/gp91phox ( <a href="#">CYBB Products</a> )

## Target Details

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**Background:** Synonyms: CGD, NOX2, IMD34, AMCBX2, GP91-1, GP91PHOX, p91-PHOX, GP91-PHOX, Cytochrome b-245 heavy chain, CGD91-phox, Cytochrome b(558) subunit beta, Cytochrome b558 subunit beta, Heme-binding membrane glycoprotein gp91phox, NADPH oxidase 2, Neutrophil cytochrome b 91 kDa polypeptide, Superoxide-generating NADPH oxidase heavy chain subunit, p22 phagocyte B-cytochrome, CYBB

Background: 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. Also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.

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**Gene ID:** 1536

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**UniProt:** [P04839](#)

## Application Details

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**Application Notes:** FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months