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# Datasheet for ABIN7149098 anti-CYBA antibody (AA 128-195)

3 Images



## Overview

Quantity:	100 µg
Target:	СҮВА
Binding Specificity:	AA 128-195
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYBA antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Cytochrome b-245 light chain protein (128-195AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

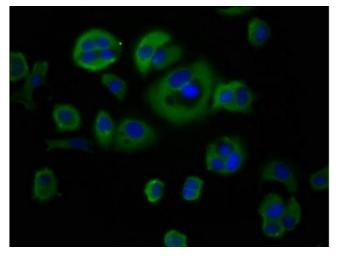
Target:	СҮВА
Alternative Name:	CYBA (CYBA Products)
Background:	Background: Critical component of the membrane-bound oxidase of phagocytes that generates
	superoxide. Associates with NOX3 to form a functional NADPH oxidase constitutively

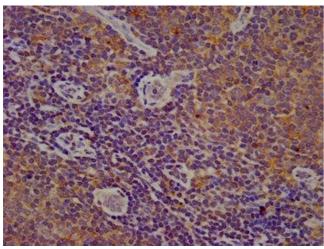
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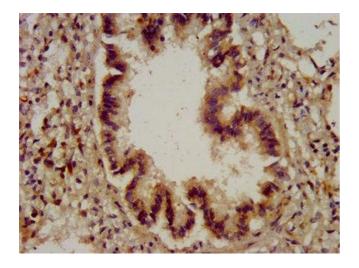
	generating superoxide.
	Aliases: CYBACytochrome b-245 light chain antibody, Cytochrome b(558) alpha chain antibody,
	Cytochrome b558 subunit alpha antibody, Neutrophil cytochrome b 22 kDa polypeptide
	antibody, Superoxide-generating NADPH oxidase light chain subunit antibody, p22 phagocyte B-
	cytochrome antibody, p22-phox antibody, p22phox antibody
UniProt:	P13498
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Carbohydrate Homeostasis

# Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.







### Immunofluorescence

**Image 1.** Immunofluorescence staining of MCF-7 cells with ABIN7149098 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

## Immunohistochemistry

**Image 2.** IHC image of ABIN7149098 diluted at 1:200 and staining in paraffin-embedded human lymph node tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

### Immunohistochemistry

**Image 3.** IHC image of ABIN7149098 diluted at 1:200 and staining in paraffin-embedded human lung tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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