

Datasheet for ABIN6139300
anti-CYBB antibody (AA 100-200)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CYBB
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYBB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human NOX2/gp91phox (NP_000388.2).
Sequence:	FHKMVAWMIA LHSIAHTIAH LFNVEWCVNA RVNNSDPYSV ALSELGDRQN ESYLNFARKR IKNPEGGLYL AVTLLAGITG VVITLCLILI ITSSTKTIRR S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

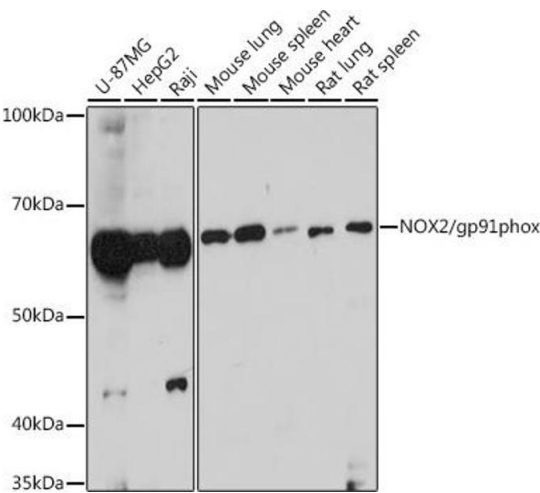
Target:	CYBB
Alternative Name:	CYBB (CYBB Products)
Background:	<p>Cytochrome b (-245) is composed of cytochrome b alpha (CYBA) and beta (CYBB) chain. It has been proposed as a primary component of the microbicidal oxidase system of phagocytes.</p> <p>CYBB deficiency is one of five described biochemical 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.,AMCBX2,CGD,GP91-1,GP91-PHOX,GP91PHOX,IMD34,NOX2,p91-PHOX,CYBB,Cancer,Endocrine & Metabolism,Immunology & Inflammation,CYBB</p>
Molecular Weight:	65 kDa
Gene ID:	1536
UniProt:	P04839

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using NOX2/gp91phox antibody (ABIN6134041, ABIN6139300, ABIN6139301 and ABIN6216051) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.