

Rabbit anti-Human CY24B Polyclonal Antibody | anti-CYBB antibody

CY24B Antibody - C-terminal region

CATALOG # AAA199413	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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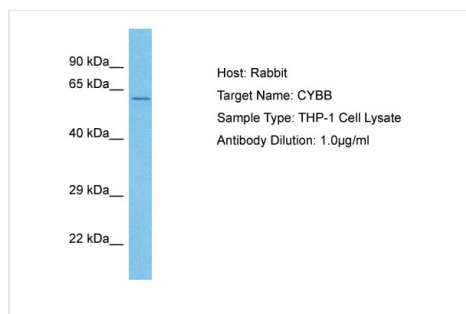
PRODUCT SYNONYMS

CY24B; Polyclonal Antibody; CY24B Antibody - C-terminal region; anti-CYBB antibody

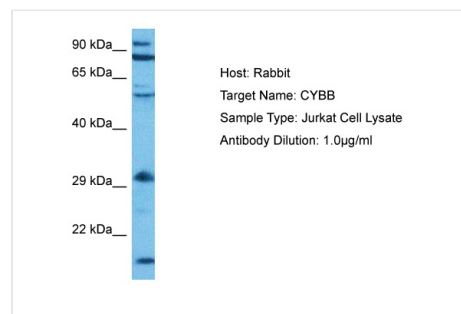
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: YG RPNWDNEFKT IASQHPNTRI GVFLCGPEAL AETLSKQSSIS NSESGPRG
Sequence Length	570
Applicable Applications for anti-CYBB antibody	WB (Western Blot)
Homology	Cow: 79%; Dog: 93%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human CY24B
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

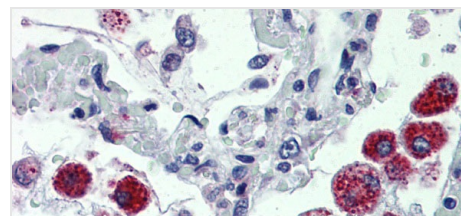
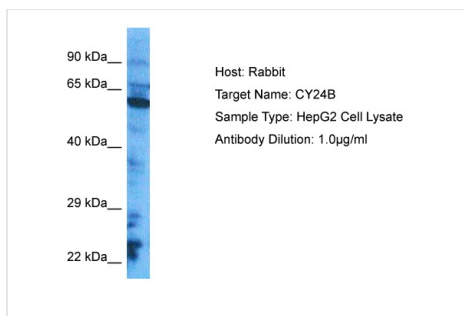
IMAGES


WB (Western Blot)

Host: Rabbit Target Name: CYBB Sample Tissue: Human THP-1 Whole Cell Antibody Dilution: 1 µg/ml


WB (Western Blot)

Host: Rabbit Target Name: CYBB Sample Tissue: Human Jurkat Whole Cell Antibody Dilution: 1 µg/ml



IHC (Immunohistochemistry)

IHC Information: Lung, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)

WB (Western Blot)

Host: Rabbit Target Name: CY24B Sample Tissue: HepG2 Whole Cell lysates Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CYBB antibody	This is a rabbit polyclonal antibody against CYBB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-CYBB antibody	Polyclonal ; Neurobiology ; Mitochondria ; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	6996021
NCBI GeneID	1536
NCBI Accession #	NP_000388
NCBI GenBank Nucleotide #	NM_000397.3
UniProt Accession #	P04839
Molecular Weight	62 kDa
NCBI Official Full Name	cytochrome b-245 heavy chain
NCBI Official Synonym Full Names	cytochrome b-245 beta chain
NCBI Official Symbol	CYBB
NCBI Official Synonym Symbols	CGD; NOX2; IMD34; AMCBX2; GP91-1; GP91PHOX; p91-PHOX; GP91-PHOX
NCBI Protein Information	cytochrome b-245 heavy chain
UniProt Protein Name	Cytochrome b-245 heavy chain
UniProt Gene Name	CYBB
UniProt Synonym Gene Names	NOX2; Cytochrome b558 subunit beta
UniProt Entry Name	CY24B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.