

Rabbit CYBB Polyclonal Antibody | anti-CYBB antibody

CYBB Antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201451	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

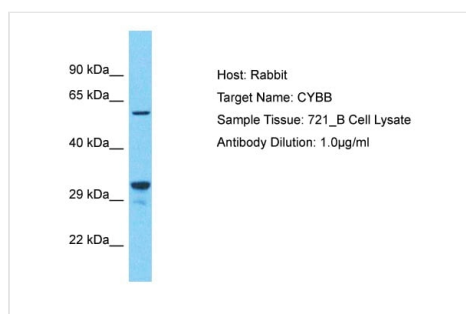
PRODUCT SYNONYMS

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

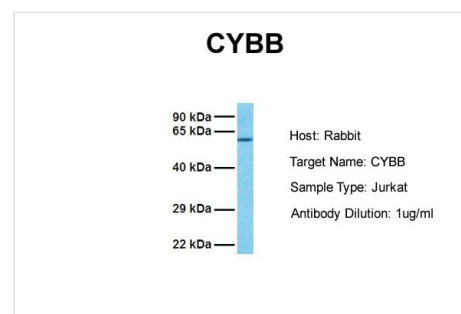
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
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: GR PNWDNEFKTI ASQHPNTRIG VF LCGPEALA ETL SKQSISN SESGPRGV
Sequence Length	570
Applicable Applications for anti-CYBB antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 93%; Guinea Pig: 77%; 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 CYBB
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.

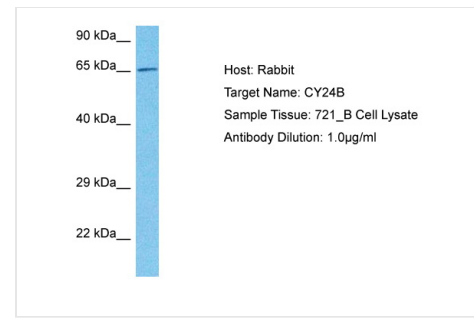
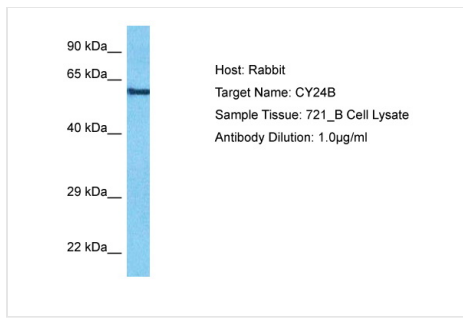
IMAGES


WB (Western Blot)

Host: Rabbit Target Name: CYBB Sample Type: 721_B Whole Cell lysates Antibody Dilution: 1.0 µg/ml


WB (Western Blot)

Host: Rabbit Target Name: CYBB Sample Tissue: Human Jurkat Antibody Dilution: 1.0 µg/ml



WB (Western Blot)

Host: RabbitTarget Name: CY24BSample Type: 721_B Whole Cell lysatesAntibody Dilution: 1ug/ml

WB (Western Blot)

Host: RabbitTarget Name: CY24BSample Type: 721_B Whole Cell lysatesAntibody 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 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; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Cell Biology; Mitochondria; Membrane & Traffic; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	6996021
NCBI GeneID	1536
NCBI Accession #	NP_000388
NCBI GenBank Nucleotide #	NM_000397
UniProt Accession #	P04839
Molecular Weight	65kDa
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.