

Rabbit anti-Human CYBA Polyclonal Antibody | anti-CYBA antibody

CYBA Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290100	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

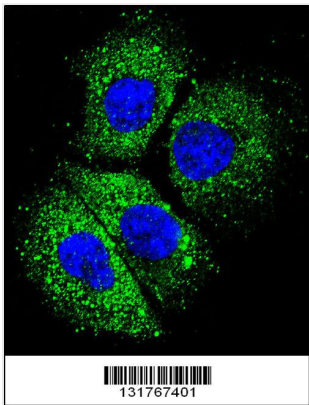
PRODUCT SYNONYMS

CYBA; Polyclonal Antibody; CYBA Antibody (C-term); Cytochrome b-245 light chain; Cytochrome b(558) alpha chain; Cytochrome b558 subunit alpha; Neutrophil cytochrome b 22 kDa polypeptide; Superoxide-generating NADPH oxidase light chain subunit; p22 phagocyte B-cytochrome; p22-phox; p22phox; anti-CYBA antibody

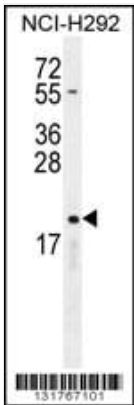
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYBA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-145 amino acids from the C-terminal region of human CYBA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	117-145
Sequence Length	195
Applicable Applications for anti-CYBA antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of CYBA Antibody (C-term) with NCI-H292 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
CYBA Antibody (C-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the CYBA antibody detected the CYBA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CYBA antibody	Cytochrome b is comprised of a light chain (alpha) and a heavy chain (beta). This gene encodes the light, alpha subunit which has been proposed as a primary component of the microbicidal oxidase system of phagocytes. Mutations in this gene are associated with autosomal recessive chronic granulomatous disease (CGD), that is characterized by the failure of activated phagocytes to generate superoxide, which is important for the microbicidal activity of these cells.
Product Categories/Family for anti-CYBA antibody	Cancer; Cell Biology; Immunology; Metabolism; Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Katakami, N., et al. Atherosclerosis 212(2):534-538(2010) Tu, Y.C., et al. Acta Pharmacol. Sin. 31(7):874-880(2010) Moreno, M.U., et al. Drug News Perspect. 23(5):316-324(2010) Cross, D.S., et al. BMC Genet. 11, 51 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	68509914
NCBI GeneID	1535
NCBI Accession #	NP_000092.2
NCBI GenBank Nucleotide #	NM_000101.3
UniProt Accession #	P13498; Q14090; Q9BR72
Molecular Weight	21013
NCBI Official Full Name	cytochrome b-245 light chain
NCBI Official Synonym Full Names	cytochrome b-245, alpha polypeptide
NCBI Official Symbol	CYBA
NCBI Official Synonym Symbols	p22-PHOX
NCBI Protein Information	cytochrome b-245 light chain
UniProt Protein Name	Cytochrome b-245 light chain

UniProt Gene Name	CYBA
UniProt Synonym Gene Names	p22phox
UniProt Entry Name	CY24A_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyba-antibody-immunofluorescence-western-blot-elisa/290100>