

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

CYBA Antibody

CATALOG # AAA322728	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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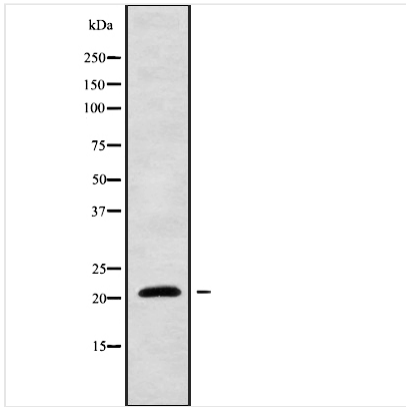
PRODUCT SYNONYMS

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

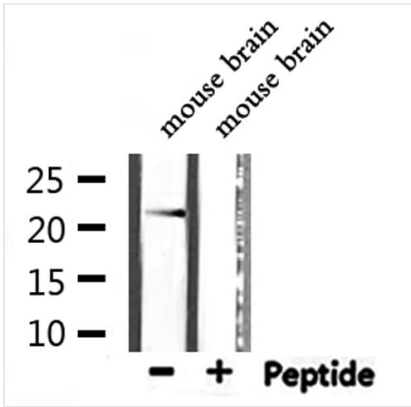
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CYBA antibody detects endogenous levels of total CYBA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	195
Applicable Applications for anti-CYBA antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human CYBA
Subcellular Location	Cell Membrane
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of CYBA using HeLa whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using CYBA Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYBA antibody	Function: Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. Associates with NOX3 to form a functional NADPH oxidase constitutively generating superoxide. Subunit Structure: Composed of a heavy chain (beta) and a light chain (alpha). Component of an NADPH oxidase complex composed of a heterodimer formed by the membrane proteins CYBA and CYBB and the cytosolic subunits NCF1, NCF2 and NCF4. Interacts with NCF1 (via SH3 domain). Interacts with SH3PXD2A (By similarity). Interacts with DUOX1, DUOX2 and TPO. Interacts with NOX3 and NOX4. Interacts with calprotectin (S100A8/9). Post-translational Modifications: The heme prosthetic group could be coordinated with residues of the light chain, the heavy chain, or both, and it is possible that more than one heme is present per cytochrome b-245. Phosphorylation at Thr-147 enhances NADPH oxidase activity by promoting p47phox binding. Ubiquitinated at Lys-149 likely by RNF145. Similarity: Belongs to the p22phox family.
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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	Observed: 21 kDa Predicted: 22 kDa
NCBI Official Full Name	cytochrome b-245 light chain
NCBI Official Synonym Full Names	cytochrome b-245 alpha chain
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

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://www.aaabiotech.com/polyclonal/cyba-antibody-western-blot-elisa/322728>