

Product datasheet for TA337434

CYBB Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for Anti-CYBB antibody is: synthetic peptide directed towards the C-terminal

region of Human CYBB. Synthetic peptide located within the following region:

GRPNWDNEFKTIASQHPNTRIGVFLCGPEALAETLSKQSISNSESGPRGV

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 62 kDa

Gene Name: cytochrome b-245 beta chain

Database Link: NP 000388

Entrez Gene 1536 Human

P04839



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Background: 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.

Synonyms: AMCBX2; CGD; GP91-1; GP91-PHOX; GP91PHOX; IMD34; NOX2; p91-PHOX

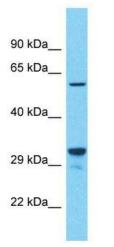
Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%;

Dog: 93%; Horse: 86%; Bovine: 85%; Pig: 77%; Guinea pig: 77%

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

Protein Pathways: Leukocyte transendothelial migration

Product images:



Host: Rabbit

Target Name: CYBB

Sample Tissue: 721_B Cell Lysate

Antibody Dilution: 1.0µg/ml

Host: Rabbit; Target Name: CYBB; Sample Tissue: 721_B Whole Cell lysates; Antibody Dilution: 1.0

ug/ml