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CYBB Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15883

Specification

CYBB Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	P04839
Other Accession	NM_000397, NP_000388
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**62kDa KDa**

CYBB Antibody - C-terminal region - Additional Information

Gene ID 1536

Alias Symbol	**AMCBX2, CGD, GP91-1, GP91-PHOX, GP91PHOX, NOX2, p91-PHOX**

Other Names
Cytochrome b-245 heavy chain, 1.-.-.-, CGD91-phox, Cytochrome b(558) subunit beta, Cytochrome b558 subunit beta, Heme-binding membrane glycoprotein gp91phox, NADPH oxidase 2, Neutrophil cytochrome b 91 kDa polypeptide, Superoxide-generating NADPH oxidase heavy chain subunit, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, CYBB, NOX2

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

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-CYBB antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
CYBB Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CYBB Antibody - C-terminal region - Protein Information

Name CYBB (HGNC:2578)

Synonyms NOX2

Function
Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is

the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. Also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.

Cellular Location
Cell membrane; Multi-pass membrane protein. Note=As unassembled monomer may localize to the endoplasmic reticulum

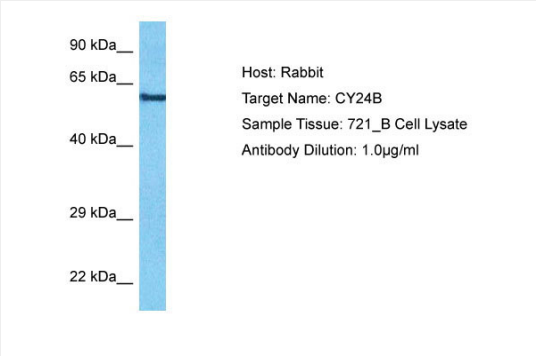
Tissue Location
Detected in neutrophils (at protein level).

CYBB Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYBB Antibody - C-terminal region - Images



Host: Rabbit
Target Name: CY24B
Sample Tissue: 721_B Whole Cell lysates
Antibody Dilution: 1µg/ml

CYBB Antibody - C-terminal region - Background

Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. Also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.

CYBB Antibody - C-terminal region - References

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