

## Rabbit CYBB / NOX2 / gp91phox Polyclonal Antibody | anti-CYBB antibody

Anti-CYBB / NOX2 / gp91phox Antibody (aa471-510) IHC-plus

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                       |
|-----------|--------|-------------------|------------------------------------|
| AAA52610  | Rabbit | Mouse, Rat, Human | Western Blot, Immunohistochemistry |

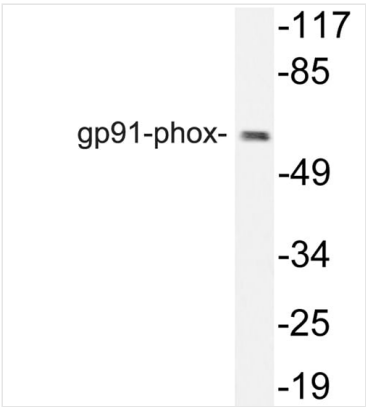
### PRODUCT SYNONYMS

CYBB / NOX2 / gp91phox; Polyclonal Antibody; Anti-CYBB / NOX2 / gp91phox Antibody (aa471-510) IHC-plus; Rabbit Polyclonal to Human CYBB / NOX2 / gp91phox; Human CYBB / NOX2 / gp91phox; Chronic granulomatous disease; CGD91-phox; Cytochrome b558 subunit beta; Cytochrome b(558) subunit beta; gp91-1; gp91-PHOX; p22 phagocyte B-cytochrome; AMCBX2; CGD; Cytochrome b-245 heavy chain; gp91PHOX; NADPH oxidase 2; NOX2; p91-PHOX; anti-CYBB antibody

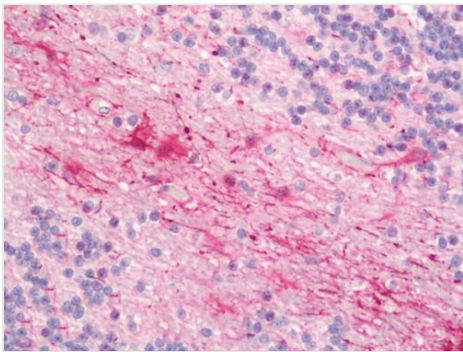
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                       |
| Reactivity                                     | Mouse, Rat, Human                                                                                            |
| Clonality                                      | Polyclonal                                                                                                   |
| Specificity                                    | Human GP91PHOX / NOX2                                                                                        |
| Purity/Purification                            | Immunoaffinity purified                                                                                      |
| Form/Format                                    | PBS, pH 7.2, 0.05% sodium azide                                                                              |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                      |
| Sequence Length                                | 570                                                                                                          |
| Applicable Applications for anti-CYBB antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                |
| Immunogen                                      | CYBB / NOX2 / gp91phox antibody was raised against synthetic peptide around Ile502 of human GP91PHOX / NOX2  |
| Immunogen Description                          | Synthetic peptide around Ile502 of human GP91PHOX / NOX2                                                     |
| Immunogen Type                                 | Synthetic peptide                                                                                            |
| Antigen Modification                           | aa471-510                                                                                                    |
| Target Species                                 | Human                                                                                                        |
| Preparation and Storage                        | Store at 4 degree C short term.<br>Aliquot and store at -20 degree C long term.<br>Avoid freeze-thaw cycles. |

IMAGES



**WB (Western Blot)**  
Western blot of gp91-phox (I502) pAb in extracts from HT29 cells.



**IHC (Immunohistochemistry)**  
Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CYBB antibody | CYBB Antibody, Chronic granulomatous disease Antibody, CGD91-phox Antibody, Cytochrome b558 subunit beta Antibody, Cytochrome b(558) subunit beta Antibody, gp91-1 Antibody, gp91-PHOX Antibody, p22 phagocyte B-cytochrome Antibody, AMCBX2 Antibody, CGD Antibody, Cytochrome b-245 heavy chain Antibody, gp91PHOX Antibody, NADPH oxidase 2 Antibody, NOX2 Antibody, p91-PHOX Antibody 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. |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 6996021                                                         |
| NCBI GeneID                      | 1536                                                            |
| NCBI Accession #                 | NP_000388.2                                                     |
| NCBI GenBank Nucleotide #        | NM_000397.3                                                     |
| UniProt Accession #              | P04839; Q2PP16; A8K138                                          |
| Molecular Weight                 | 65,336 Da                                                       |
| NCBI Official Full Name          | cytochrome b-245 heavy chain                                    |
| NCBI Official Synonym Full Names | cytochrome b-245, beta polypeptide                              |
| 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.

