

## Product datasheet for **AP23109PU-N**

### **CYBB (151-163) Goat Polyclonal Antibody**

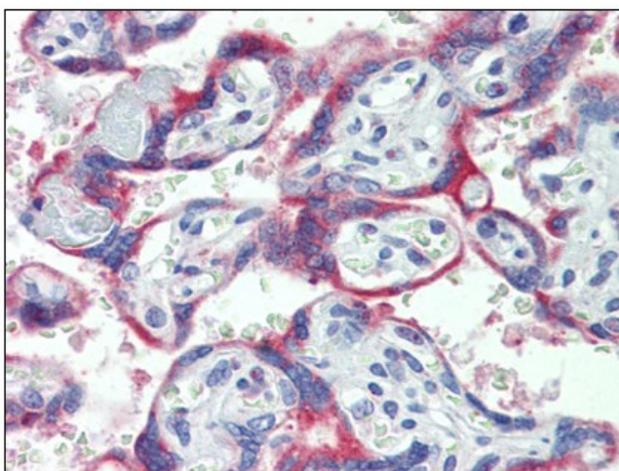
#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of human CYBB / gp91phox (NP_000388.2)
Specificity:	This antibody detects Cytochrome b-245 heavy chain (Internal).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cytochrome b-245 beta chain
Database Link:	<a href="#">Entrez Gene 1536 Human P04839</a>



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- 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:** gp91phox, CGD91-phox, gp91-phox, gp91-1, NADPH oxidase 2, NOX2, Cytochrome b558 subunit beta
- Protein Families:** Druggable Genome, Ion Channels: Other, Transmembrane
- Protein Pathways:** Leukocyte transendothelial migration

**Product images:**

Placenta, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)