

**Goat anti-GP91-PHOX / NOX2 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4526a

## Specification

---

### Goat anti-GP91-PHOX / NOX2 Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P04839</a>
Other Accession	<a href="#">NP_000388.2</a>
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	65336

### Goat anti-GP91-PHOX / NOX2 Antibody - Additional Information

**Gene ID** 1536

#### Other Names

CYBB; cytochrome b-245, beta polypeptide; CGD; GP91-1; GP91-PHOX; GP91PHOX; NOX2; p91-PHOX; CGD91-phox; NADPH oxidase 2; cytochrome b(558) subunit beta; cytochrome b-245 heavy chain; cytochrome b558 subunit beta; heme-binding membrane glycoprotein gp91pho

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-GP91-PHOX / NOX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat anti-GP91-PHOX / NOX2 Antibody - 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).

**Goat anti-GP91-PHOX / NOX2 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-GP91-PHOX / NOX2 Antibody - Images**