

gp91 phox Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51139**Specification**

gp91 phox Antibody - Product Information

Application	WB, E
Primary Accession	P04839
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65 KDa

gp91 phox Antibody - Additional Information**Gene ID** 1536**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

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

gp91 phox 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).

gp91 phox 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](#)

gp91 phox Antibody - Images

gp91 phox Antibody - Background

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Ota T., et al. Nat. Genet. 36:40-45(2004).
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