

**NOX2 / gp91phox Antibody (aa471-510)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16497****Specification**

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**NOX2 / gp91phox Antibody (aa471-510) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P04839</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65kDa KDa

**NOX2 / gp91phox Antibody (aa471-510) - 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

**Target/Specificity**

Human GP91PHOX / NOX2

**Reconstitution & Storage**

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

**Precautions**

NOX2 / gp91phox Antibody (aa471-510) is for research use only and not for use in diagnostic or therapeutic procedures.

**NOX2 / gp91phox Antibody (aa471-510) - 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).

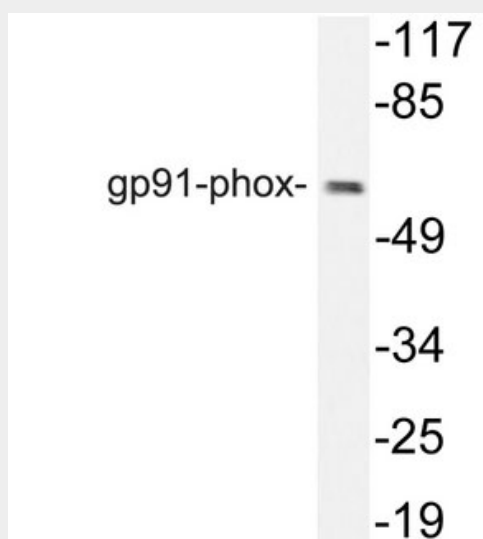
**Volume**

50 µl

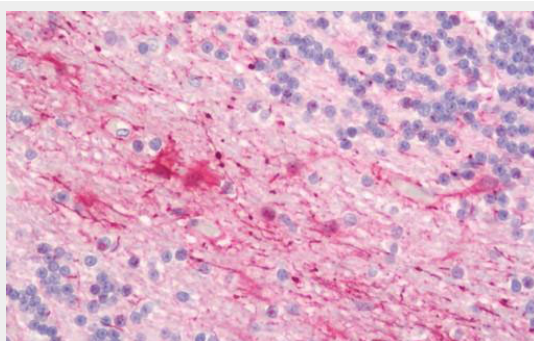
**NOX2 / gp91phox Antibody (aa471-510) - Protocols**

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](#)

**NOX2 / gp91phox Antibody (aa471-510) - Images**

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



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

**NOX2 / gp91phox Antibody (aa471-510) - 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.