

For Research Use Only

# NOX2 Polyclonal antibody

Catalog Number: 13525-1-AP



## Basic Information

<b>Catalog Number:</b> 13525-1-AP	<b>GenBank Accession Number:</b> BC032720	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 260 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1536	
<b>Source:</b> Rabbit	<b>Full Name:</b> cytochrome b-245, beta polypeptide	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 577 aa, 65 kDa	
<b>Immunogen Catalog Number:</b> AG4402		

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

NOX2, also named as CYBB, CGD, 91-phox, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, cytochrome b-245 and beta polypeptide, is a 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<sup>+</sup> currents of resting phagocytes. CYBB participates in the regulation of cellular pH and is blocked by zinc.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:  
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## Selected Validation Data