

For Research Use Only

# NOX2 Polyclonal antibody

Catalog Number: 13525-1-AP

1 Publications



## Basic Information

### Catalog Number:

13525-1-AP

### Size:

150ul , Concentration: 260 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4402

### GenBank Accession Number:

BC032720

### GeneID (NCBI):

1536

### UNIPROT ID:

P04839

### Full Name:

cytochrome b-245, beta polypeptide

### Calculated MW:

577 aa, 65 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Si-Yu Liu	38769138	Hypertens Res	WB

## 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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