



## Mouse Monoclonal Antibody **NOX2** conjugated to Sepharose Beads

CatalogNo: **ANT8068-M**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

### **NOX2 (ANT0025R) Rabbit mAb**

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

#### Host Species

- Rabbit
- Human, Mouse, Rat,

#### Reactivity

- WB, IP, ELISA

#### Applications

#### MW

- 65kD (Calculated)
- 65kD (Observed)
- IgG, Kappa

#### Isotype

## Recommended Dilution Ratios

IP

### Basic Information

Clonality	Monoclonal
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Clone Number	ANT0025R
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### Immunogen Information

Specificity	Endogenous
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# Target Information

Gene name CYBB  
Protein Name Cytochrome b-245 heavy chain

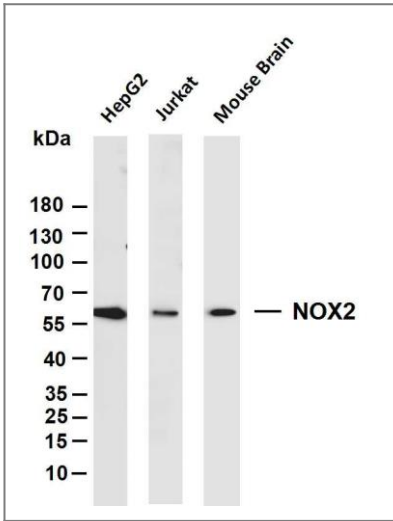
Organism	Gene ID	UniProt ID
Human	<a href="#">1536;</a>	<a href="#">P04839;</a>
Mouse		<a href="#">Q61093;</a>

Cellular Localization Membranous

Tissue specificity Detected in neutrophils (at protein level).

Function cofactor:FAD.,Disease:Defects in CYBB are a cause of chronic granulomatous disease Xlinked (XCGD) [MIM:306400]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.,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.,online information:CYBB deficiency database,ANTM:Glycosylated.,similarity:Contains 1 FAD-binding FR-type domain.,similarity:Contains 1 ferric oxidoreductase domain.,subunit:Composed of a heavy chain (beta) and a light chain (alpha).,

# Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NOX2 (ANT0025R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: Jurkat Lane 3: Mouse Brain Predicted band size: 65kDa Observed band size: 65kDa

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