

NOX2 (ANT0025R) Rabbit mAb

CatalogNo: ANT8068 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IP,ELISA

Applications

MW

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

Isotype

Recommended Dilution Ratios

WB 1:1000-5000 ELISA 1:5000-20000 IP 1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0025R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CYBB

Protein Name Cytochrome b-245 heavy chain

| Organism | Gene ID | UniProt ID |
|----------|-----------------------|-------------------------|
| Human | 1536; | P04839; |
| Mouse | | Q61093; |

Cellular Localization

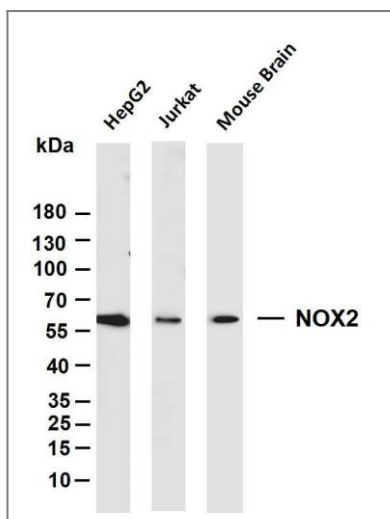
Membranous

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

For Research use only, not for diagnostics and clinical use
Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com