

NOX2 (PT0125R) PT® Rabbit mAb

CatalogNo: YM8068 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IP, ELISA

MW

- 65kD (Calculated)
- 65kD (Observed)

Isotype

- IgG, Kappa

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 PT0125R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CYBB

Protein Name Cytochrome b-245 heavy chain

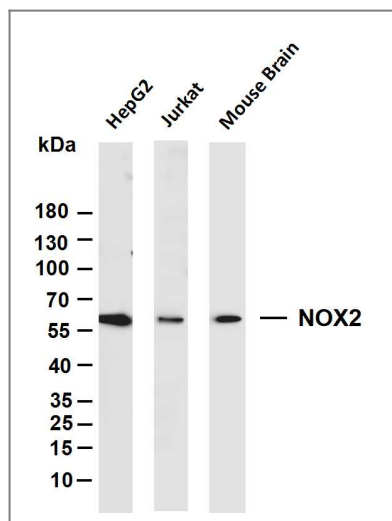
Organism	Gene ID	UniProt ID
Human	1536;	P04839;
Mouse		Q61093;

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 X-linked (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,PTM: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 (PT0125R) antibody. The HRP-conjugated 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

Contact information

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