

## 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)

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Basic Information

**Clonality** Monoclonal

**Clone Number** PT0125R

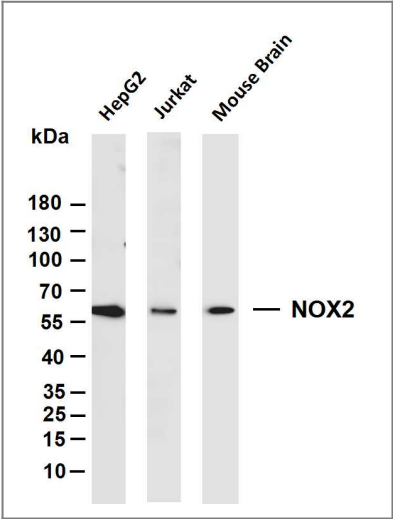
### Immunogen Information

**Specificity** Endogenous

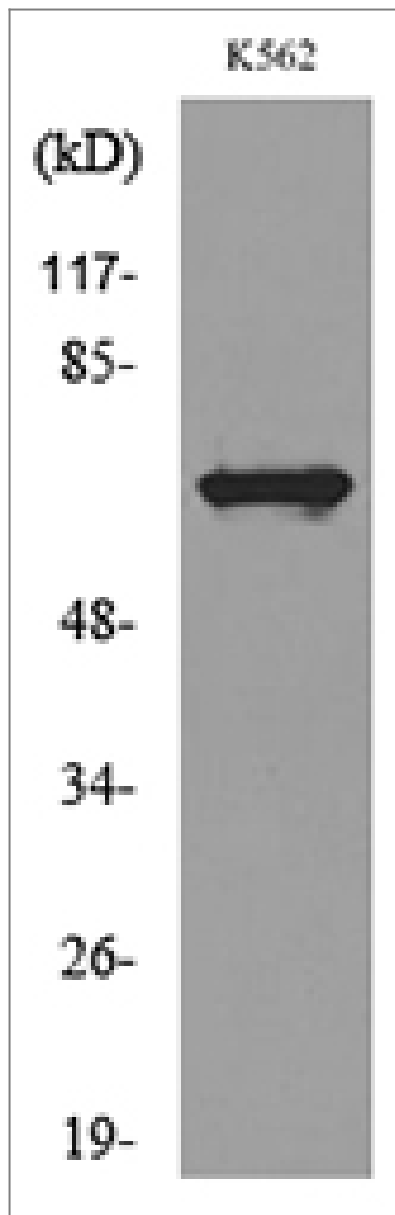
### Target Information

Gene name	CYBB		
Protein Name	Cytochrome b-245 heavy chain		
	Organism	Gene ID	UniProt ID
	Human	<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 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 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



Western blot analysis of lysate from K562 cells, using CYBB Antibody.

## Contact information

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