

NOX2 / gp91phox Rabbit Polyclonal Antibody



CAB1636

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

65kDa

Calculated MW:

65kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

Cytochrome b (-245) is composed of cytochrome b alpha (CYBA) and beta (CYBB) chain. It has been proposed as a primary component of the microbicidal oxidase system of phagocytes. CYBB deficiency is one of five described biochemical defects associated with chronic granulomatous disease (CGD). In this disorder, there is decreased activity of phagocyte NADPH oxidase; neutrophils are able to phagocytize bacteria but cannot kill them in the phagocytic vacuoles. The cause of the killing defect is an inability to increase the cell's respiration and consequent failure to deliver activated oxygen into the phagocytic vacuole.

Immunogen information

Gene ID:

1536

Uniprot

P04839

Synonyms:

AMCBX2; CGD; GP91-1; GP91-PHOX; GP91PHOX; IMD34; NOX2;
p91-PHOX; CYBB

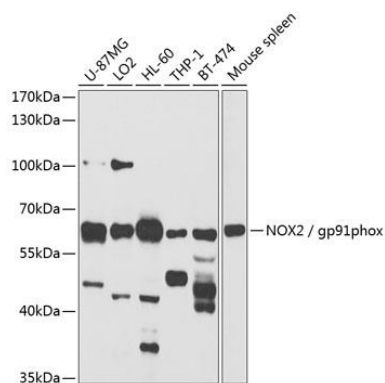
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 283-570 of human NOX2 / gp91phox (NP_000388.2).

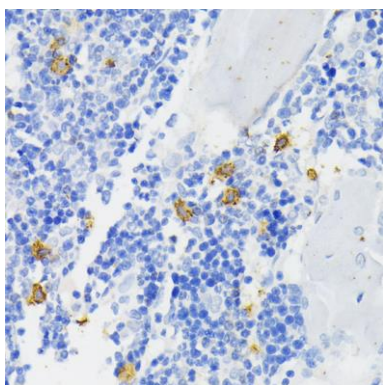
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using NOX2 / gp91phox antibody (CAB1636) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded rat bone marrow using NOX2/gp91phox antibody (CAB1636) at dilution of 1:200 (40x lens).