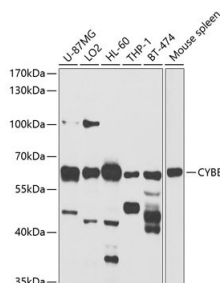
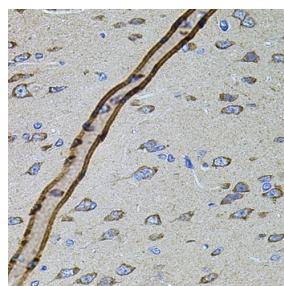


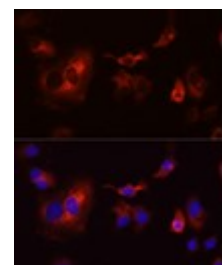
Cat. No:	AB-83889
Size:	100 ug
Clone:	poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 283-570 of human Nox2
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1 :500 - 1:1000 Immunohistochemistry (paraffine Embedded tissues) : 1:50-1:100 Immunofluorescence: 1:50-1:100
Molecular Weight:	65kDa
Purification:	Aff. Pur.
Synonyms:	CYBB; AMCBX2; CGD; GP91-1; GP91-PHOX; GP91PHOX; IMD34; NOX2; p91-PHOX; cytochrome b-245 beta chain
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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	At 4°C for short term. For longer terms at -20°. Avoid freeze and thaw cycles



Western blot analysis of extracts of various cell lines, using Nox2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Kit Exposure



Immunohistochemistry of paraffin-embedded on Rat brain using NOX2 antibody with a dil: 1:100



Immunofluorescence analysis of A431 cells using Nox2 antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

time: 60s.

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