Product Datasheet

Anti-NOX2/gp91phox/CYBB Antibody (orb865497)

Description	Anti-NOX2/gp91phox/CYBB Antibody. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, FC, WB
Immunogen	E.coli-derived human NOX2/gp91phox/CYBB recombinant protein (Position: F416-H527).
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Western blot, 0.25-0.5 µg/ml, Human Flow Cytometry (Fixed), 1-3 µg/1x106 cells, Human ELISA, 0.1-0.5 µg/ml, -. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml
Isotype	Rabbit IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
MW	65 kDa
Uniprot ID	**P04839**

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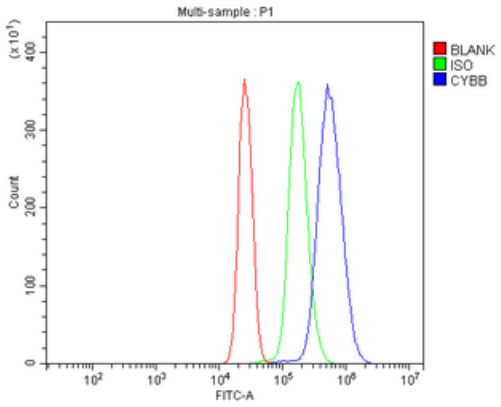
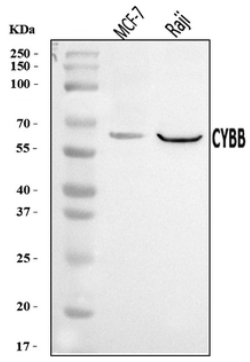
Expiration Date 12 months from date of receipt.



Flow Cytometry analysis of U937 cells using anti-NOX2/Gp91phox/CYBB antibody. Overlay histogram showing U937 cells (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NOX2/Gp91phox/CYBB Antibody (1 µg/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



Western blot analysis of NOX2/Gp91phox/CYBB using anti-NOX2/Gp91phox/CYBB antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human Raji whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NOX2/Gp91phox/CYBB antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NOX2/Gp91phox/CYBB at approximately 65 kDa. The expected band size for NOX2/Gp91phox/CYBB is at 65 kDa.

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