

Anti-NOX5 Antibody Picoband® APC Conjugated

Catalog Number: A03119-APC

About NOX5

NOX5 (Nadph Oxidase 5), also known as NOX5A or NOX5B, is a protein which in humans is encoded by the NOX5 gene. The International Radiation Hybrid Mapping Consortium mapped the NOX5 gene to chromosome 15. NOX5 is a novel NADPH oxidase that generates superoxide and functions as an H⁺ channel in a Ca²⁺-dependent manner. It is found that, when heterologously expressed, NOX5 was quiescent in unstimulated cells. However, in response to elevations of the cytosolic Ca²⁺ concentration, it generated large amounts of superoxide. Using RT-PCR and Southern and Western blot analyses, NOX5 was identified as a flavin-containing Ca²⁺-dependent oxidase present in hairy leukemic cells (HC), but not normal B cells.

Overview

Product Name	Anti-NOX5 Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q96PH1

Technical Details

Immunogen	E.coli-derived human NOX5 recombinant protein (Position: A21-F765).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-NOX5 Antibody - APC

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