

## Anti-Cytochrome C/CYCS Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9334-Fluoro488

### About CYCS

CYCS is also known as CYC, HCS or THC4. This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.

### Overview

Product Name	Anti-Cytochrome C/CYCS Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P99999

### Technical Details

Immunogen	E.coli-derived human Cytochrome C recombinant protein (Position: G2-E105). Human Cytochrome C shares 91% amino acid (aa) sequence identity with both mouse and rat Cytochrome C.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 47 Publications Citing This Product

1. PubMed ID: 10.3389/fphar.2017.00545, Pioglitazone Improves Mitochondrial Function in the Remnant Kidney and Protects against Renal Fibrosis in 5/6 Nephrectomized Rats
2. PubMed ID: 10.3389/fphar.2017.00691, Protective Effects of Sodium ( $\pm$ )-5-Bromo-2-( $\alpha$ -Hydroxypentyl) Benzoate in a Rodent Model of Global Cerebral Ischemia
3. PubMed ID: 10.1371/journal.pone.0147858, N-Acetyl Cysteine Depletes Reactive Oxygen Species and Prevents Dental Monomer-Induced Intrinsic Mitochondrial Apoptosis In Vitro in Human Dental Pulp Cells

Visit [bosterbio.com/anti-cytochrome-c-picoband-trade-antibody-pb9334-boster.html](http://bosterbio.com/anti-cytochrome-c-picoband-trade-antibody-pb9334-boster.html) to see all 47 publications.

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