

## Anti-TRP 7/TRPC7 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9272-Fluoro550

### About TRPC7

Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a human gene encoding a protein of the same name. Using a cosmid/BAC contig, this gene is mapped to chromosome 21q22.3. TRPC7 is the most abundantly expressed long TRPC in peripheral blood and in some blood cell lines. The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death.

### Overview

Product Name	Anti-TRP 7/TRPC7 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse
Application	Flow Cytometry
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	Q9HCX4

### Technical Details

Immunogen	E.coli-derived human TRP 7 recombinant protein (Position: K716-I862). Human TRP 7 shares 95% amino acid (aa) sequence identity with mouse TRP 7.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 27472391, TRPC1/TRPC3 channels mediate lysophosphatidylcholine-induced apoptosis in cultured human coronary artery smooth muscles cells

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