

Anti-TRPC4 Antibody Picoband® Cy3 Conjugated

Catalog Number: PA2307-Cy3

About TRPC4

The short transient receptor potential channel 4 (TRPC4), also known as Trp-related protein 4, is a protein that in humans is encoded by the TRPC4 gene. TRPC4 is a member of the transient receptor potential cation channels. It is mapped to 13q13.3. This protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. TRPC4 also has an essential role in endothelial-dependent regulation of vascular tone, endothelial permeability, and neurotransmitter release from thalamic interneurons.

Overview

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| Product Name | Anti-TRPC4 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human |
| Application | Recommended applications are based on the parent unconjugated antibody (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 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 | Q9UBN4 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human TRPC4. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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Anti-TRPC4 Antibody - Cy3

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