

## Anti-TRPC5 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9271-Biotin

### About TRPC5

Short transient receptor potential channel 5 (TrpC5), also known as TRP-5, is a protein that in humans is encoded by the TRPC5 gene. TRPC5 is subtype of the TRPC family of mammalian transient receptor potential ion channels. It is mapped to Xq23. The predicted 973-amino acid TRPC5 protein has a calculated molecular mass of 111.5 kD. It contains the characteristic 8 predicted transmembrane domains (TM1 through TM8), including a pore region (TM7) between TM6 and TM8. TRPC5 is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel, and it is a candidate for the regulation of calcium waves. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4.

### Overview

Product Name	Anti-TRPC5 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
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.
Host	Rabbit
Uniprot ID	Q9UL62

### Technical Details

Immunogen	E.coli-derived human TRPC5 recombinant protein (Position: K684-L973). Human TRPC5 shares 90% amino acid (aa) sequence identity with mouse TRPC5.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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