

## TRPC5 Antibody (R31684)

Catalog No.	Formulation	Size
R31684	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	7224
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This TRPC5 antibody is available for research use only.



Western blot testing of TRPC5 antibody and Lane 1: HeLa; 2: U87; 3: COLO320.  
Expected size ~111KD



Western blot testing of TRPC5 antibody and recombinant human protein (0.5ng)

## Description

Short transient receptor potential channel 5 (TrpC5), also known as TRP-5, is a protein that in humans is encoded by the TRPC5 gene. It is subtype of the TRPC family of mammalian transient receptor potential ion channels. 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. It 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](#).

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TRPC5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 684-973) was used as the immunogen for this TRPC5 antibody.

## Storage

After reconstitution, the TRPC5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.