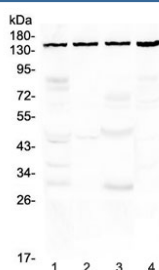


## TRPC4 Antibody (RQ4207)

Catalog No.	Formulation	Size
RQ4207	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>Predicted Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q9UBN4
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This TRPC4 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) COLO320, 3) MCF7 and 4) 293T cell lysate with TRPC4 antibody at 0.5ug/ml. Predicted molecular weight ~112 kDa, observed here at ~150 kDa.

## Description

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.

## Application Notes

Optimal dilution of the TRPC4 antibody should be determined by the researcher.

## Immunogen

Amino acids MAQFYYKRNVNAPYRDRIPLRIVRAESEL were used as the immunogen for the TRPC4 antibody.

## Storage

After reconstitution, the TRPC4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.