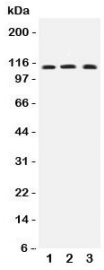
TRPC4 Antibody (R31431)

Catalog No.	Formulation	Size
R31431	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9UBN4
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TRPC4 antibody is available for research use only.



Western blot testing of human 1) COLO320, 2) MCF-7 and 3) PANC lysate with TRPC4 antibody at 0.5ug/ml. Predicted molecular weight: ~112 kDa.

Description

The short Transient receptor potential channel 4, 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 andtyrosine 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

The stated application concentrations are suggested starting amounts. Titration of the TRPC4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Transient receptor potential channel 4 (LNLPDTVTHEDYVTTRL) was used as the immunogen for this TRPC4 antibody.

Storage

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

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