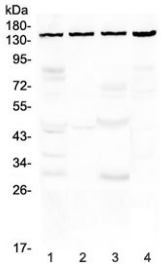
TRPC4 Antibody (RQ4207)

Catalog No.	Formulation	Size
RQ4207	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
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) 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 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

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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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