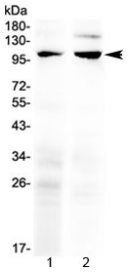
TRPC6 Antibody (R32851)

Catalog No.	Formulation	Size
R32851	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted 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, 0.025% sodium azide
UniProt	Q9Y210
Applications	Western Blot: 0.5-1ug/ml
Limitations	This TRPC6 antibody is available for research use only.



Western blot testing of 1) rat ovary and 2) rat lung lysate with TRPC6 antibody at 0.5ug/ml. Predicted molecular weight ~106 kDa.

Description

Transient receptor potential cation channel, subfamily C, member 6, also known as TRPC6, is a human gene encoding a protein of the same name. The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2).

Application Notes

Optimal dilution of the TRPC6 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids K771-E875 was used as the immunogen for the TRPC6 antibody.

Storage

After reconstitution, the TRPC6 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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