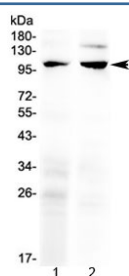


TRPC6 Antibody (R32851)

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