

For Research Use Only

TRPC6 Recombinant monoclonal antibody

Catalog Number: 84517-5-RR



Basic Information

Catalog Number:

84517-5-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC093658

GeneID (NCBI):

7225

UNIPROT ID:

Q9Y210

Full Name:

transient receptor potential cation channel, subfamily C, member 6

Calculated MW:

931 aa, 106 kDa

Observed MW:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

251552A8

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: A549 cells, COLO 320 cells, mouse lung tissue, human placenta tissue

IF/ICC: A549 cells,

Background Information

Transient receptor potential canonical (TRPC) channels mediate the influx of different types of cations through the cell membrane and are involved in many functions of the organism (PMID: 28508319). The TRPC subfamily consists of seven members, TRPC1, TRPC2, TRPC3, TRPC4, TRPC5, TRPC6, TRPC7 (PMID: 32872338). TRPC6 is a Ca²⁺-permeable non-selective cation channel expressed in most human tissues. TRPC6 has been considered as potential therapeutic targets for malignant glioma treatment (PMID: 35489424).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

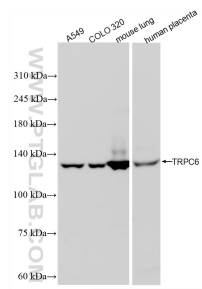
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

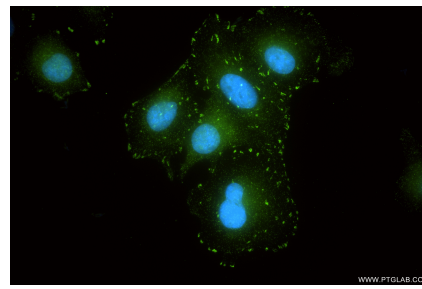
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84517-5-RR (TRPC6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using TRPC6 antibody (84517-5-RR, Clone: 251552A8) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).