

For Research Use Only

TRPC5 Recombinant monoclonal antibody

Catalog Number: 87978-1-RR



Basic Information

Catalog Number:

87978-1-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23271

GenBank Accession Number:

BC137271

GeneID (NCBI):

7224

UNIPROT ID:

Q9UL62

Full Name:

transient receptor potential cation channel, subfamily C, member 5

Calculated MW:

111 kDa

Observed MW:

100-111 kDa

Purification Method:

Protein A purification

CloneNo.:

260014C10

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : mouse brain tissue, rat brain tissue, mouse cerebellum tissue, rat cerebellum tissue, pig brain tissue, fetal human brain tissue

IP : rat brain tissue,

Background Information

Short transient receptor potential channel 5 (TRPC5) is abundantly expressed in hippocampal neurons (PMID: 9553080). TRPC5 channels participate in a variety of physiological and pathophysiological processes, covering vascular smooth muscle activity, endothelial function, adiponectin modulation, oxidative stress, epilepsy, anxiety, pain sensation, as well as cardiac remodeling (PMID: 15538613; 22668831; 16685599; 26069213).

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

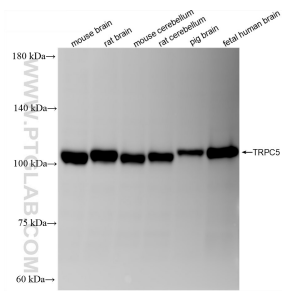
For technical support and original validation data for this product please contact:

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

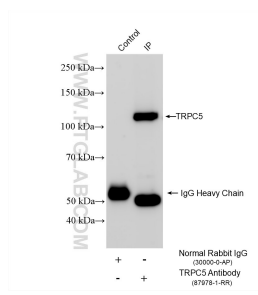
E: proteintech@ptglab.com
W: ptglab.com

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 87978-1-RR (TRPC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-TRPC5 (IP:87978-1-RR, 4ug; Detection:87978-1-RR 1:800) with rat brain tissue lysate 1720 ug.