

For Research Use Only

# TRPC5 Recombinant monoclonal antibody

Catalog Number:87978-1-RR



## Basic Information

**Catalog Number:**

87978-1-RR

**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

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

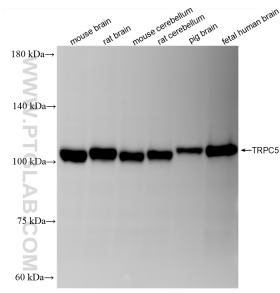
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

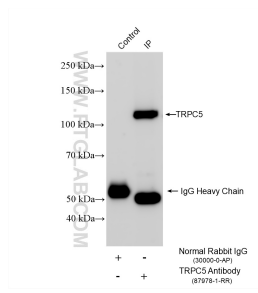
W: [ptgcn.com](http://ptgcn.com)

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## 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.