

For Research Use Only

# TRPC3 Recombinant antibody

Catalog Number: 84019-5-RR



## Basic Information

Catalog Number:

84019-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13024

GenBank Accession Number:

BC093682

GeneID (NCBI):

7222

UNIPROT ID:

Q13507

Full Name:

transient receptor potential cation channel, subfamily C, member 3

Calculated MW:

848 aa, 97 kDa

Observed MW:

105 kDa, 97 kDa

Purification Method:

Protein A purification

CloneNo.:

241075H3

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse cerebellum tissue, HEK-293 cells, 37°C incubated mouse brain tissue, unboiled rat brain tissue

## Background Information

TRPC3 (Short transient receptor potential channel 3), also known as TRP3. It is expected to be located in the cell membrane, which is expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis. TRPC3 is one of the classical members of the mammalian transient receptor potential (TRP) superfamily of ion channels. TRPC3 is a molecule with intriguing sensory features including the direct recognition of and activation by diacylglycerols (DAG). Although TRPC3 channels are ubiquitously expressed, they appear to control functions of the cardiovascular system and the brain in a highly specific manner. Moreover, a role of TRPC3 in immunity, cancer, and tissue remodeling has been proposed, generating much interest in TRPC3 as a target for pharmacological intervention. The molecular weight of TRPC3 is 105 kDa, and it can recognize another isoform. (PMID: 30037143)

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

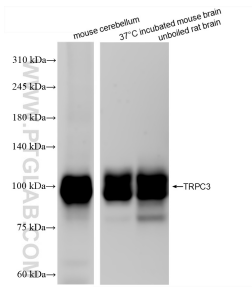
T: 4006900926

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

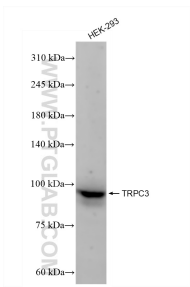
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84019-5-RR (TRPC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 84019-5-RR (TRPC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.